



GENEMEDI
Innovative Solution
for Therapeutics & Diagnostics Industry



Gene Therapy Solution Product Catalogue 2026



PurProX®

PurProX® AAVPure Affinity Resin
PurProX® AAVPure Pre-packed Affinity Column
PurProX® AAVEasy rapid-to-purify Spin Column
PurProX® AAVFull Enrichment Kit

TrueX®

TrueX® - ONE Universal AAV Titration Kit
TrueX® - UNIQ Serotype-Specific AAV Titration Kit


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Part 1 Solution for Gene Therapy Development

PurProX®

PurProX® AAVPure Affinity Resin
PurProX® AAVPure Pre-packed Affinity Column
PurProX® AAVEasy rapid-to-purify Spin Column
PurProX® AAVFull Enrichment Kit

PurProX® AAVEasy + AAVFull = High-Purity, High Full-Capsid AAV



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Brochure Download **Sample request**

TrueX®

TrueX® - ONE Universal AAV Titration Kit
TrueX® - UNIQ Serotype-Specific AAV Titration Kit

Vector:

INDKan™ Industry-Used AAV Vector System
GM Multi-Serotype AAV Vector System
GM Promise™ ORF Viral Library

Part 2 Platform & Service

[GVC QbD Platform for Viral vectors Processes Development & Manufacturing](#)

[G-NEXT™ Novel AAV discovery and rational evolution platform](#)

[TransEx™ DNA Rapid Preparation Service](#)

PurProX® AAV Purification Solution



PurProX® AAVPure Affinity Resin

Cat.No: GMV-PurProX-AAVPure-U-1/2

GeneMedi PurProX® AAVPure Affinity Resin provide high-performance AAV purification.

U-1: resin broadly targets serotypes like **AAV2/5/6/8/DJ/7m8** (with weaker binding for **AAV9** compared with other AAV serotypes)

U-2: is specialized for high-affinity **AAV9** binding.



PurProX® AAVPure Pre-packed Affinity Column

Cat.No: GMV-PurProX-AAVPure-U-1/2-P

GeneMedi's PurProX® AAVPure Pre-packed Affinity Column provide a convenient, ready-to-use solution for researchers evaluating our AAV purification resin or performing small-scale AAV vector purification.



PurProX® AAVEasy rapid-to-purify Spin Column

Cat.No: GMV-PurProX-AAVEasy-U-1/2-10T

Based on **PurProX® AAVPure Affinity Resin**, AAVEasy rapid-to-purify Spin Columns provide a rapid, equipment-free solution for small-scale AAV purification, delivering high-purity viral vectors in just 30 minutes.

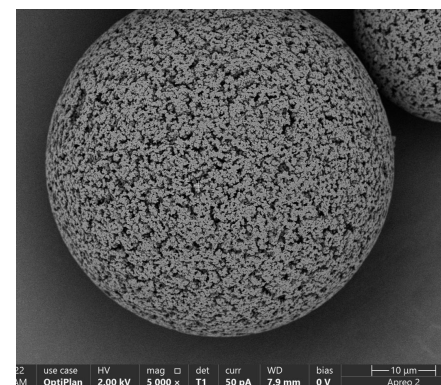
Product list for PurProX® AAV Purification Solution

Product Type	Cat No	Product Name	Serotype	Size
AAV Affinity Resin	GMV-PurProX-AAVPure-U-1	PurProX® AAVPure Affinity Resin-1	Versatile resin for high-capacity, multi-serotype binding (e.g., AAV2/5/6/8/DJ/7m8)	10 mL, 25 mL, 50 mL, 250 mL, 1 L, 5 L, 10 L
AAV Affinity Resin	GMV-PurProX-AAVPure-U-2	PurProX® AAVPure Affinity Resin-2	Optimized for AAV9 and variants like AAV-PHP series	10 mL, 25 mL, 50 mL, 250 mL, 1 L, 5 L, 10 L
Pre-packed Column	GMV-PurProX-AAVPure-U-1-P	PurProX® AAVPure Pre-packed Column-1	Versatile resin for high-capacity, multi-serotype binding (e.g., AAV2/5/6/8/DJ/7m8)	1mL, 5mL
Pre-packed Column	GMV-PurProX-AAVPure-U-2-P	PurProX® AAVPure Pre-packed Column-2	Optimized for AAV9 and variants like AAV-PHP series	1mL, 5mL
Spin Column (10 tests)	GMV-PurProX-AAVEasy-U-1-10T	PurProX® AAVEasy Spin Column-1	Versatile resin for high-capacity, multi-serotype binding (e.g., AAV2/5/6/8/DJ/7m8)	10T
Spin Column (10 tests)	GMV-PurProX-AAVEasy-U-2-10T	PurProX® AAVEasy Spin Column-2	Optimized for AAV9 and variants like AAV-PHP series	10T

PurProX® AAVPure Affinity Resin



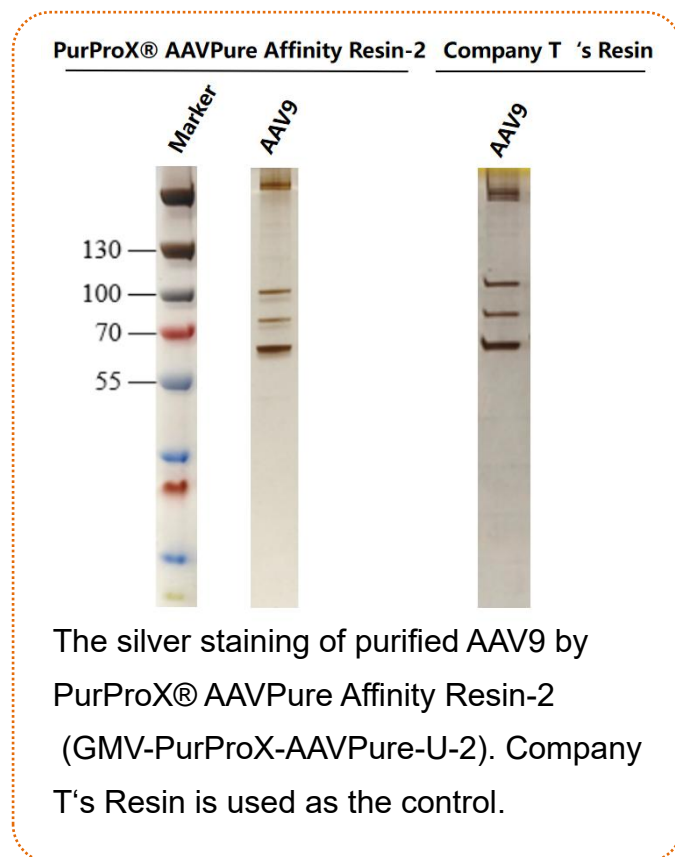
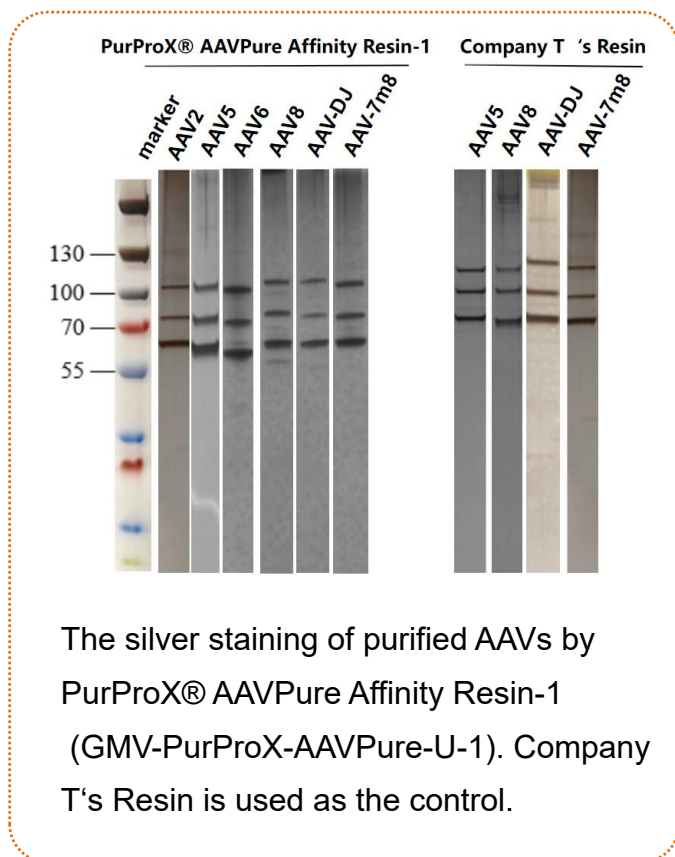
- High-efficiency and reproducibility
- Specificity for intact AAV particle
- >3e14 VP/mL resin
- Lower cost



Serotype	Initial AAV (vg)	Purified AAV (vg)	Recovery Rate (%)
AAV2	5.72E+12	5.19E+12	90.73
AAV5	3.36E+13	3.13E+13	93.15
AAV6	8.28E+12	7.73E+12	93.36
AAV8	1.33E+13	1.25E+13	93.98
AAV9	1.45E+13	1.37E+13	94.48

PurProX® AAVPure Affinity Resin-1 for AAV Serotype 2, 5, 6,8, DJ, and 7m8 Purification

PurProX® AAVPure Affinity Resin-2 Designed for AAV9 Purification



Part 1 Solution for Gene Therapy Development

PurProX® AAVEasy rapid-to-purify Spin Column

Cat.No: GMV-PurProX-AAVEasy-U-1/2-10T



Benchtop Spin-Purification
No ultracentrifuge required



Broad-Spectrum Capture
One solution for most serotypes



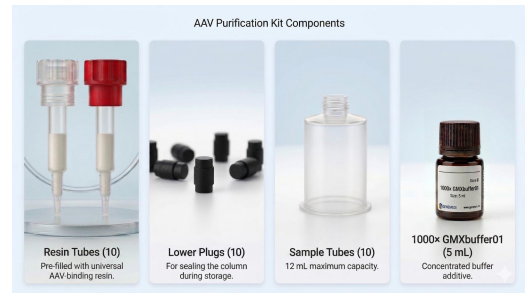
High Purity. High Yield.
Uncompromised vector recovery



Rapid 30-Min Protocol
Hassle-free AAV processing



High throughput
Process dozens of samples simultaneously



PurProX® AAVEasy purification process

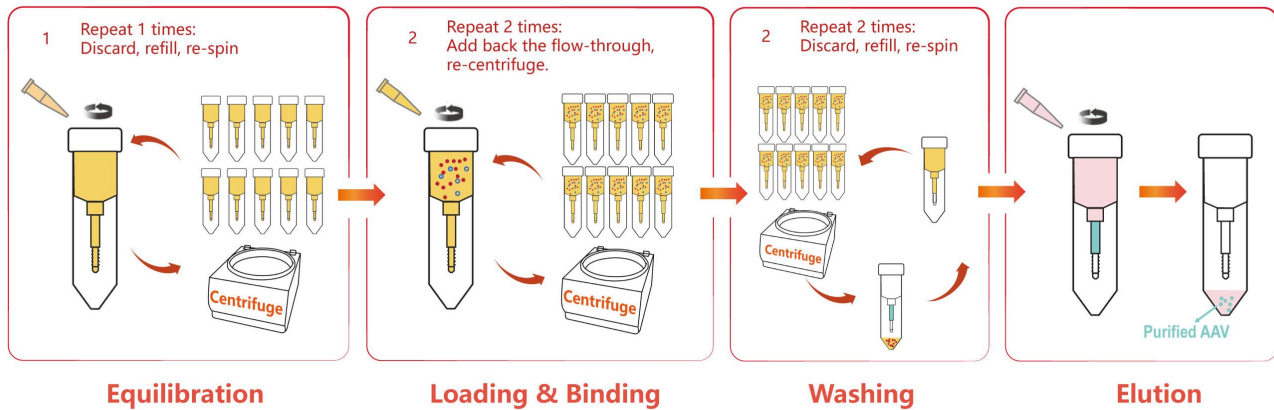


Equilibration/Loading Buffer



Elution Buffer

● AAV ● Other particles



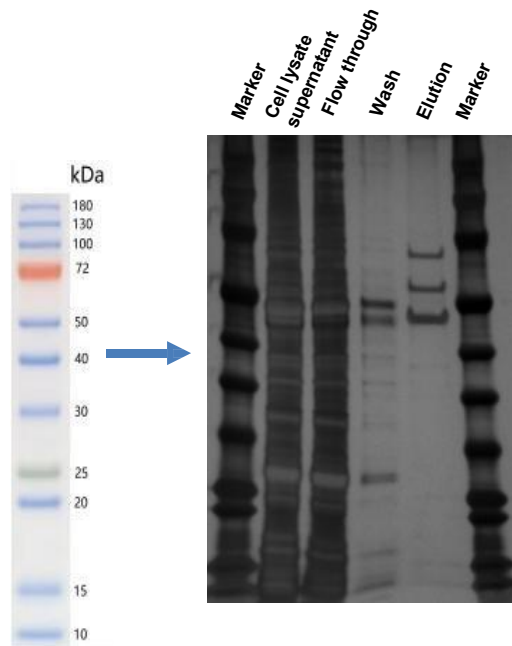
Sample request

PurProX® AAVEasy rapid-to-purify Spin Column

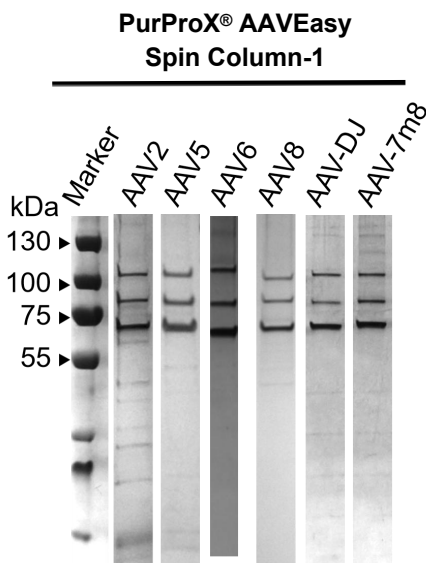
AAV5 Purification by PurProX® AAVEasy

Handling Time: **29 min**

Recovery Rate: **95.43%**

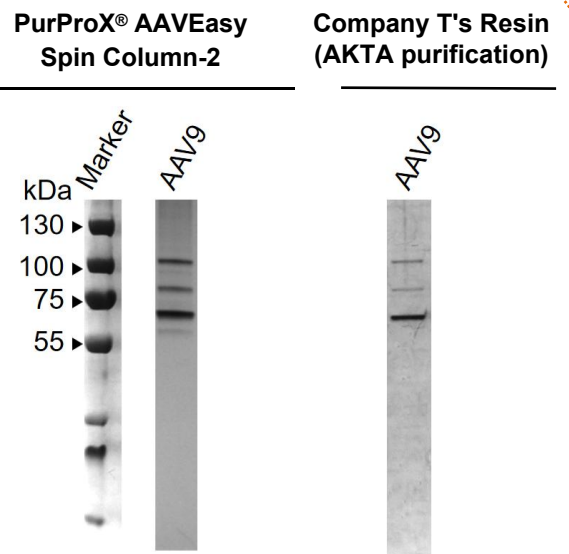


PurProX® AAVEasy Spin Column-1 for AAV Serotype 2, 5, 6, 8, DJ, and 7m8 Purification



The silver staining of purified AAVs by PurProX® AAVEasy Spin Column-1 (GMV-PurProX-AAVEasy-U-1).

PurProX® AAVEasy Spin Column-2 Designed for AAV9 Purification



The silver staining of purified AAVs by PurProX® AAVEasy Spin Column-2 (GMV-PurProX-AAVEasy-U-2). Company T's Resin (AKTA purification) is used as the control.

PurProX® AAVFull Enrichment Kit — Fuss-free. Full capsids.



PurProX® AAVFull empowers you to effortlessly maximize full-capsid ratio with GeneMedi's seamless Anion Exchange (AEX) chromatography Technology.

- **Convenient Syringe Format**

- Rapid, hassle-free handling using everyday lab tools.

- **Targeted Clearance**

- Specifically eliminates empty capsids to yield premium, ultra-pure AAV vectors.

- **Ultracentrifuge-Free**

- Achieve maximum full-capsid ratios right on your benchtop.

Product list for PurProX® AAVFull Enrichment Kit

Cat No,	Product Name	Feature
GMV-PurProX-AAVFull-U-1	PurProX® AAVFull Enrichment Kit	High Binding Capacity: $2-5 \times 10^{13}$ VP/mL

Key Features:

- **Targeted Full Capsid Enrichment:** Leverages Anion

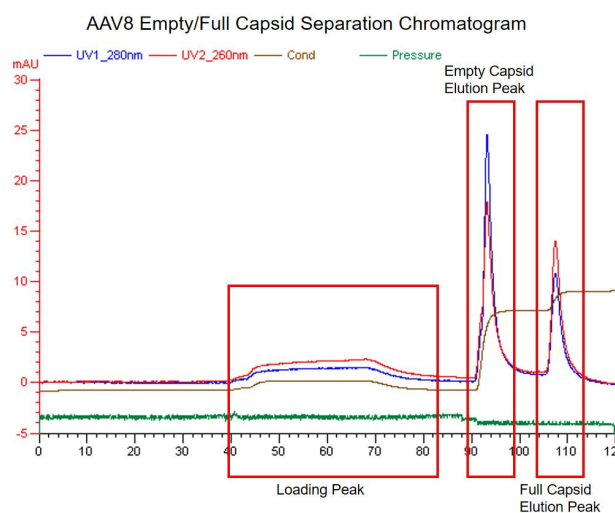
Exchange (AEX) chromatography principles to exploit subtle charge differences between empty and full capsids, effectively retaining empty particles while allowing full vectors to flow through.

- **Seamless Benchtop Integration:** Designed in a

standard syringe/spin filter format to directly process AAVEasy eluents. Achieves advanced polishing in minutes without the need for complex FPLC systems.

- **Predictable Process Homology:** The membrane matrix

and ligand density are rigorously calibrated to simulate industrial Q-Membrane performance, ensuring your benchtop data accurately predicts large-scale manufacturing outcomes.



The AAV8 chromatogram demonstrates that this enrichment kit efficiently achieves separation of empty and full capsids, ensuring a final yield of highly pure AAV vectors with a high full-capsid ratio.

TrueX® AAV Titration & Quantification Solution



TrueX® - ONE Universal AAV Titration Kit (ELISA)

Cat.No: GMV-TrueX-ELISA-U-1

GeneMedi's TrueX® - ONE Universal AAV Titration Kit represents a breakthrough in AAV vector quantification, offering researchers unparalleled convenience for multi-serotype detection in a single ELISA. This innovative kit is specifically designed to simultaneously detect and quantify major AAV serotypes (AAV2, 5, 6, 8, and 9) without the need for serotype-specific reagents.



TrueX® - UNIQ AAV Serotype-Specific AAV Titration Kit (ELISA)

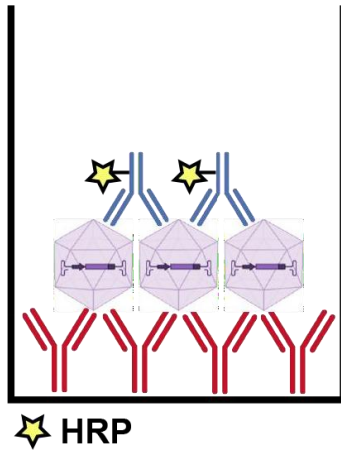
Cat.No: GMV-TrueX-ELISA-2/5/6/8/9-1

For applications demanding the highest specificity, GeneMedi's TrueX® -UNIQ Serotype-Specific AAV Titration Kits provide antibody-matched detection systems for each individual AAV serotype (available for AAV2, 5, 6, 8, and 9). These kits offer the most accurate quantification for researchers requiring precise serotype-specific measurements.

Product list for TrueX® AAV Titration & Quantification Solution

Product Type	Cat No	Product Name	Size
Universal	GMV-TrueX-ELISA-U-1-96	TrueX®-ONE Universal AAV Titration	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV2 Specific	GMV-TrueX-ELISA-2-1-96	TrueX®-UNIQ AAV2 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV5 Specific	GMV-TrueX-ELISA-5-1-96	TrueX®-UNIQ AAV5 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV6 Specific	GMV-TrueX-ELISA-6-1-96	TrueX®-UNIQ AAV6 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV8 Specific	GMV-TrueX-ELISA-8-1-96	TrueX®-UNIQ AAV8 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)
AAV9 Specific	GMV-TrueX-ELISA-9-1-96	TrueX®-UNIQ AAV9 Serotype Specific Titration Kit (ELISA)	1 plate/2 plate/5 plate/10 plates (96 wells)

TrueX® -ONE Universal AAV Titration Kit (ELISA)




Serotype	Detection Range
AAV2	3E8-5E9 capsids/ml
AAV5	2E8-5E9 capsids/ml
AAV6	3E8-5E9 capsids/ml
AAV8	2E8-5E9 capsids/ml
AAV9	2E8-3E9 capsids/ml



One for All serotypes



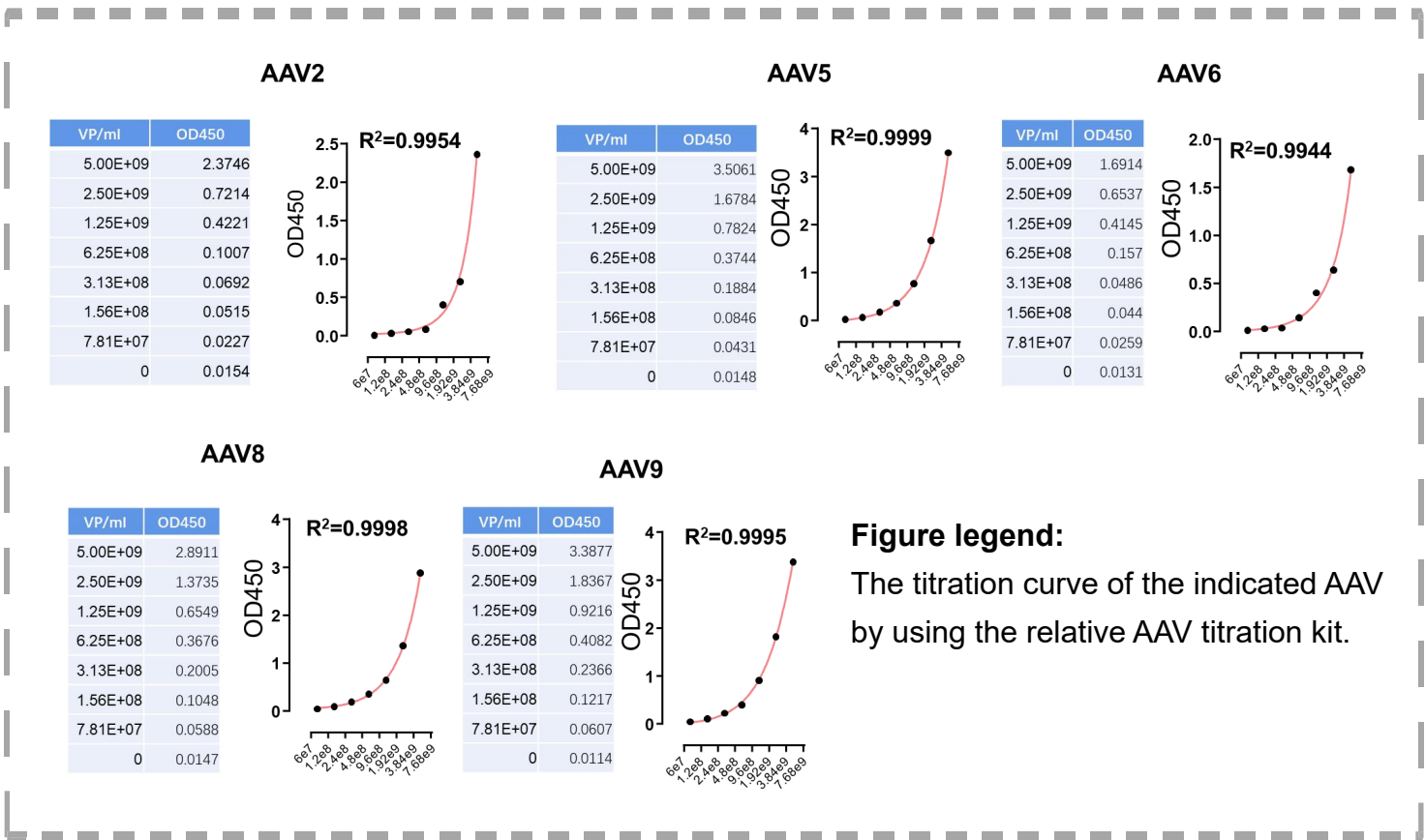
Easy-Handling ELISA



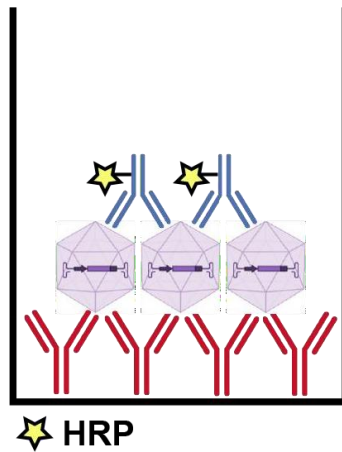
Wider Linear



Batches-stable



TrueX® -UNIQ Serotype-Specific Titration Kit (ELISA)



Serotype	Linear Range
AAV9	8.23E6-2.00E9 capsids/ml
AAV8	1.38E7-8.82E8 capsids/ml
AAV5	8.22E6-2.00E9 capsids/ml



More Sensitive



Easy-Handling ELISA



Wider Linear



Batches-stable

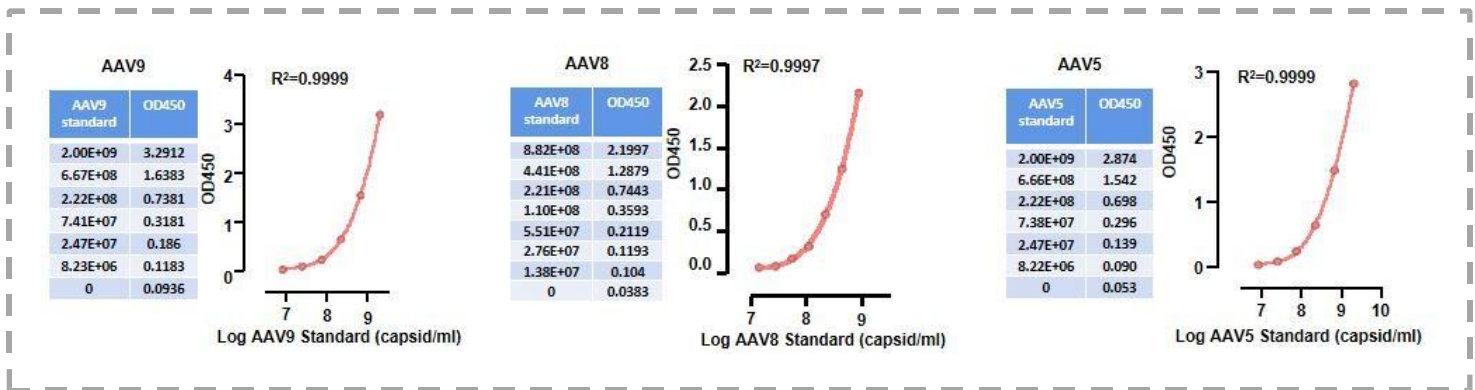


Figure legend: The titration curve of the indicated AAV by using the relative AAV titration kit.

GM Multi-Serotype AAV Vector System (Amp and Kanamycin)

Serotype list of AAV Rep-Cap plasmids

GeneMedi offers both Ampicillin (Amp) resistance and Kanamycin (Kan) resistance for the AAV Rep-Cap Plasmids.

Common Serotypes	AAV1, AAV2, AAV4, AAV5, AAV6, AAV6.2, AAV6.2FF, AAV8, AAV9, AAV-Rh.10, AAV-DJ, AAV-Retro (Retrograde), AAV-PHP.B, AAV-PHP.eB, AAV-PHP.S, AAV-BR1, AAV-2i8, AAV-SIG, AAV-VEC.
AAV2 Variants	AAV2 variant (Y444F), AAV2 variant (Y272F, Y444F, Y500F, Y730F), AAV2 variant (Y444F, Y730F, Y500F, Y272F, Y704F, Y252F), AAV2 variant (AAV2.7m8).
AAV8 Variants	AAV8-1m, AAV8-2m, AAV8 variant (Y733F, Y447F, Y275).
MyoAAV Series	AAV-MyoAAV1A, AAV-MyoAAV2A, AAV-MyoAAV3A, AAV-MyoAAV4A, AAV-MyoAAV4E.
Other Specialized Variants	AAV-Anc80, AAV-rh74., AAV-LK03

GeneMedi (GM) AAV Vector system is including: 1) AAV Rep-Cap plasmid 2) AAV Helper plasmid 3) AAV expression vectors (overexpression or shRNA).

You can produce AAV particle in 293T cell line in high titer using GeneMedi's AAV Rep-Cap plasmid with GM's AAV expression vector (overexpression or shRNA) and AAV helper plasmid.

For example:

AAV1 Vector System :

1. AAV1 Rep-Cap Plasmid,
2. AAV Helper Plasmid,
3. pGMAAV-CMV-MCS-T2A-ZsGreen (P-AAVV-B01)

List of AAV expression plasmids

Promoters	CMV, CAG, hSyn, CamKII, GFAP, cTNT, TBG, U6, EF1, EF1a
Reporter	EGFP, eRFP, hrGFP, luc, LUCi, mCherry, tdtomato, ZsGreen
Tag	3FLAG(C-terminal)

For more choices, you can click here to check:

<https://www.genemedi.net/i/aav-expression-vector-list>

TransEx™ DNA Rapid Preparation Service

Service Grades:

Research Grade
Endotoxin-Free Grade
High Quality (HQ) Grade

Faster

The production will be within 1 week.

High-efficiency

Good for proteins, antibodies, viral vector production

High-quality

Strict adherence to standard operating procedures

Cost-effective

Good value for the money spent

Products:

- **AAV vector system (AAV expression system, AAV packaging plasmid system)**

Serotype: AAV1, AAV2, AAV2, AAV2 variant (Y444F), AAV2 variant (Y272F, Y444F, Y500F, Y730F), AAV2 variant (Y444F, Y730F, Y500F, Y272F, Y704F, Y252F), AAV2.7m8, AAV5, AAV6, AAV8, AAV8-1m, AAV8-2m, AAV8-3m, AAV9, AAV-Rh10, AAV-DJ, AAV-DJ8, AAV2-Retro(Retrograde), AAV-PHP.B, AAV-PHP.eB, AAV-PHP.S, AAV-BR1, AAV-VEC, AAV-2i8, AAV-SIG, AAV4, AAV6.2, AAV6.2FF, MyoAAV 1A, MyoAAV 2A, MyoAAV 3A, MyoAAV 4A, MyoAAV 4E, AAV-Anc80, AAV-rh74. AAV-LK03

- **Adenovirus expression vectors (adenovirus expression plasmids)**

- **Lentivirus vector system**

Including PMD2G(Cat No.: P-ALV-C01), pSPAX2(Cat No.: P-ALV-C02) and other expression vector

- **Promise-ORF™ viral CDNA library**

More than 60, 000 pre-made CDNA/ORF viral plasmids and viral particles in Lentivirus, Adenovirus and AAV

Validation

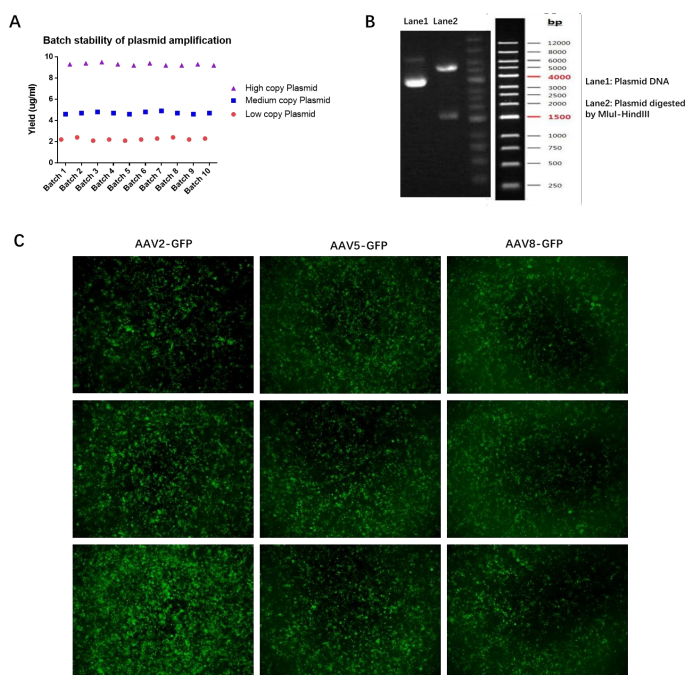


Figure. GeneMedi's plasmid amplification service ensures consistent, high-quality plasmid preparation with excellent batch stability, purity, and vector potency.

A, Plasmid yield stability across low, medium, and high-copy number plasmids.

B, PAGE gel showing plasmid purity, with $\geq 90\%$ supercoiled content.

C, Green fluorescence image showing successful infection of 293 cells with AAV2, AAV5, and AAV8 viruses.

GM AAV packaging services

Platform	AAV Manufacturing Capacity	AAV9 Yield	AAV8 Yield	AAV5 Yield	AAV2 Yield	AAV PHPeB Yield
293T suspension cells	~ 20L	4.7E+13VG/L	1.9E+13VG/L	2.3E+13VG/L	5.4E+12VG/L	1.1E+13VG/L

- All common-used serotypes: AAV1, AAV2, AAV5, AAV6, AAV8, AAV9, AAVrh10, AAV-DJ, AAV.PHP, AAV-Anc80 etc.
- ssAAV, scAAV
- Customized AAV capsid and vectors

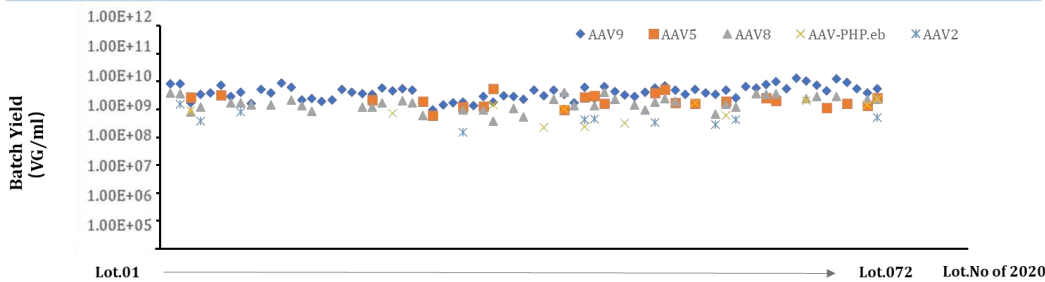


Figure 1: Consistent AAV Production Platform With High Yield.

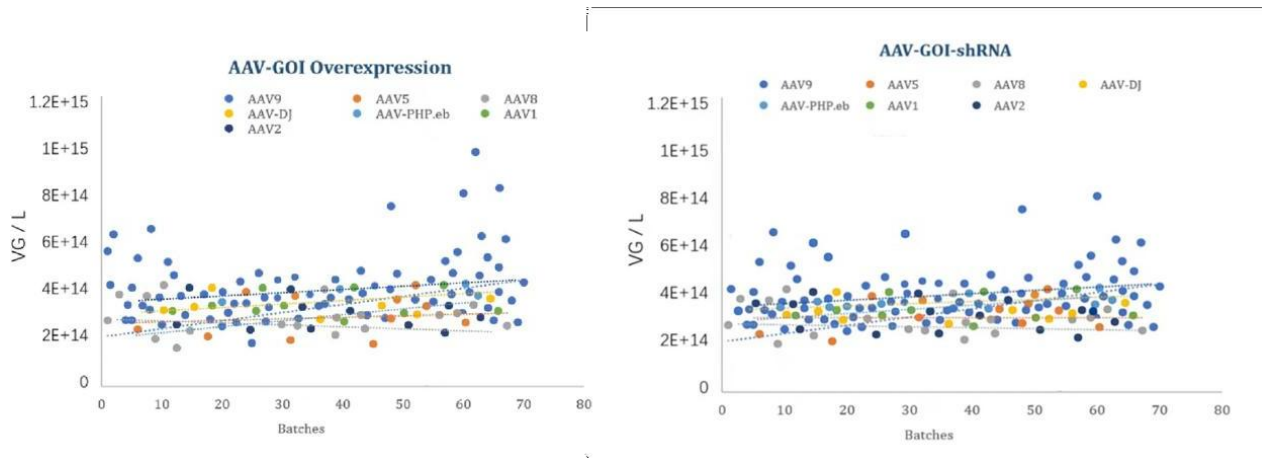
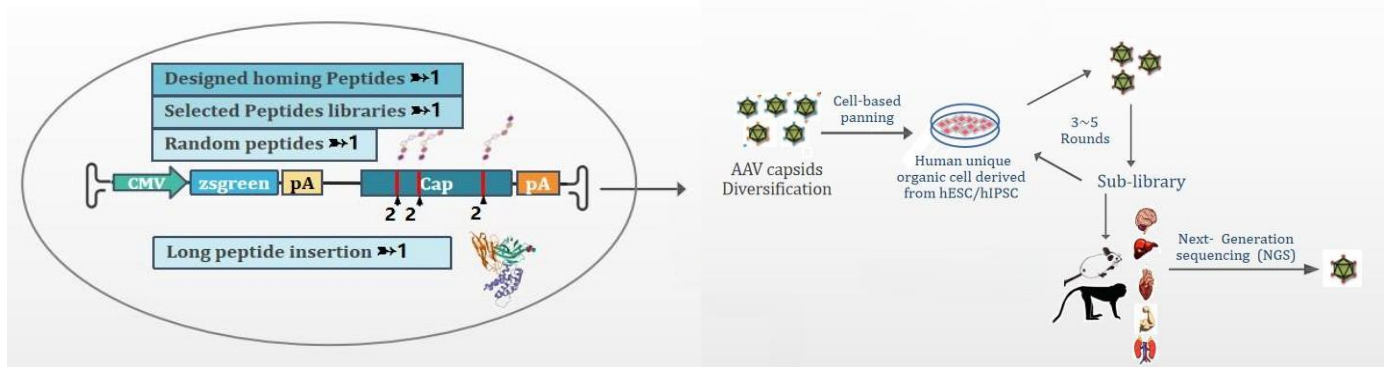


Figure 2: Manufacturing Batch Stability of Different AAV Serotypes

G-NEXT - Novel AAV Development Platform

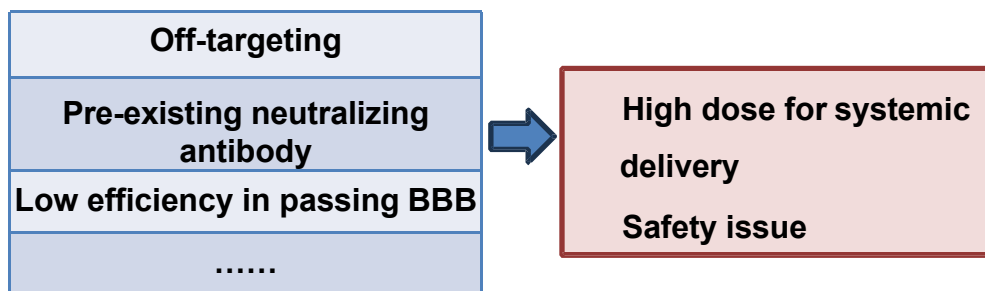


Strategy of G-NEXT™ AAV Development

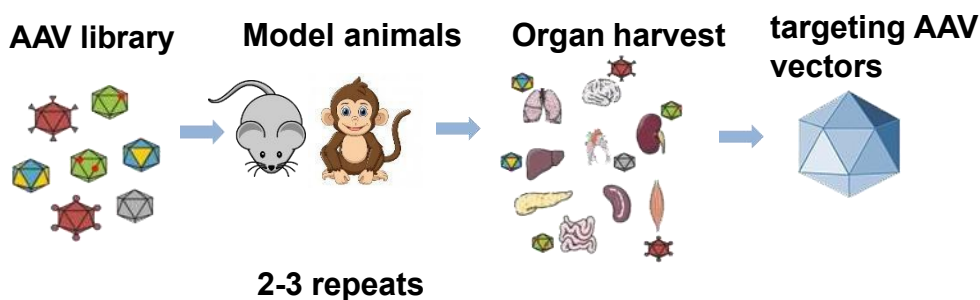
G-NEXT™ combines AAV biology, hiPSC models, structure-based engineering, and high-throughput manufacturing to advance the development of the next generation of AAV-based therapies.

Rational novel targeting AAV development

Drawbacks in conventional AAV vectors



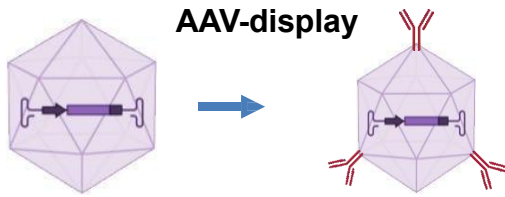
Traditional development of targeting AAV vectors



- Animal model cannot fully simulate human organs
- Highly random
- Heavy workload

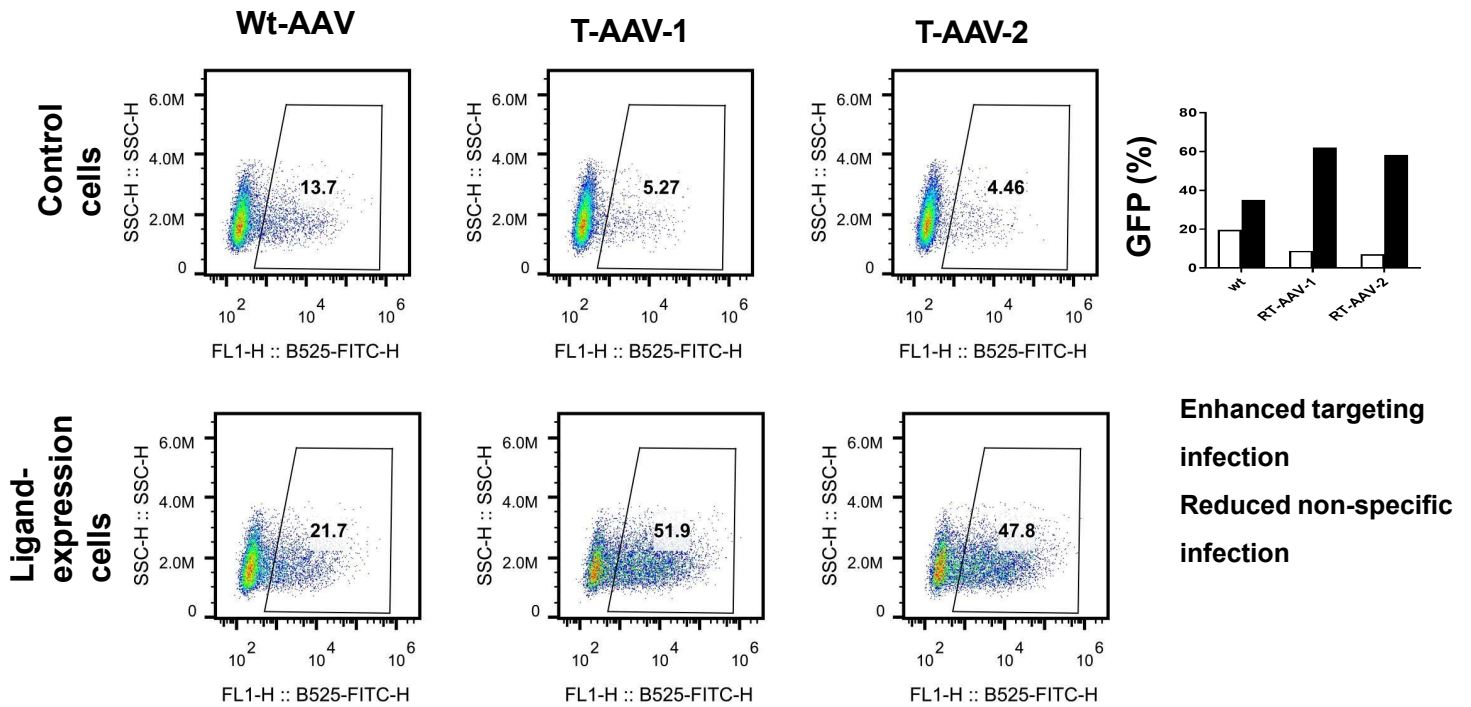
Rational novel targeting AAV development

Rational novel targeting AAV development



Ligand-receptor mediated infection
Modified surface of AAV partical
Modular construction
Easily extensible in targeting

Higher targeting efficacy compare with wt-AAV



Enhanced targeting infection
Reduced non-specific infection

GM Promise™ ORF Viral Library

Discover the largest collection of ORF/cDNA expression clones from different species, including human, mouse, rat, and more with GeneMedi's Promise™-ORF. Our collection of ORFs expression clones come in verified mammalian or viral vectors (lentivirus, AAV, and adenovirus) and our Promise™-ORF viral-ready expression vectors make it easy for you to improve viral vector packaging efficiency or directly transfect mammalian cells, resulting in stronger and easier expression detection.

Product List [Click Here](#)

Home / Gene Therapy products

Promise-ORF™ viral CDNA library: Sequence-verified ORF/CDNA clones in lentivirus (lentiviral ORF clones), AAV, adenovirus and mammalian expression vectors.

Promise-ORF™

Discover the largest collection of ORF/cDNA expression clones from different species, including human, mouse, rat, and more with GeneMedi's Promise-ORF™. Our collection of ORFs expression clones come in verified mammalian or viral vectors (lentivirus, AAV, and adenovirus) and our Promise-ORF™ viral-ready expression vectors make it easy for you to improve viral vector packaging efficiency or directly transfect mammalian cells, resulting in stronger and easier expression detection.

Catalog No.	Product Name	Gene Name & ...	Species	Accession Nu...	Marker	Fusion Tag	Promoter	Type	Detail
pGMLP000001	Human PEG10 Lentivirus plasmid	PEG10;EDR,HB-1,Mar2,Mart2,MEF	Human	NM_001040152	ZsGreen	3xflag (C-Terminal)	CMV	Lentivirus plasmid	Inquiry Details
pGMLP000002	Human SELENOM Lentivirus plasmid	SELENOM;SELM,SE	Human	NM_080430	ZsGreen	3xflag (C-Terminal)	CMV	Lentivirus plasmid	Inquiry Details
pGMLP000003	Human SELENOW Lentivirus plasmid	SELENOW;selW,SEI	Human	NM_003009	ZsGreen	3xflag (C-Terminal)	CMV	Lentivirus plasmid	Inquiry Details

About GeneMedi

GeneMedi Founded in 2018 by a team of interdisciplinary experts in drug discovery, CMC process development, computational biology, materials chemistry, and etc., GeneMedi is dedicated to empowering gene & cell therapy (GCT) development through high-efficiency purification and rigorous quality control solutions.



Our mission: Innovate biologics to empower gene and cell therapy. GeneMedi combines world-class technology platforms with a rigorous quality management system. GeneMedi deliver reliable, high-performance solutions to global clients, helping to accelerate drug R&D.

Three Technical Pillars



GM-LIBRA™ (AI-Driven Design)

AI-identified universal domains across AAV2/5/8/9/rh10 ensure broad compatibility with balanced kinetics for high recovery and infectivity preservation.



GM-AffProX™ (Large-Pore Engineering)

Features Large-Pore Microspheres tailored for AAV (~25nm) to maximize mass transfer and binding capacity at high flow rates, augmented by directional ligand coupling.



G-NEXT™ (Endogenous Validation)

Born from GeneMedi's internal R&D needs and validated through rigorous high-frequency production cycles, ensuring industrial-grade robustness and reliability.

Core Advantages

International Quality Management System

GeneMedi strictly follow ISO 9001 and ISO 13485 standards and implemented a digital quality traceability system to ensure exceptional product quality.

Professional Team

Our team of 60+ cross-disciplinary experts brings over 10 years of average industry experience and in-depth knowledge of GCT and antibody development requirements.

Technology Innovation

AI-driven product design platform is integrated with a million-level biological big data database to speed up product iteration and enhance performance.

One step for most. Two steps for perfection.

PurProX® AAVEasy + AAVFull = High-Purity, High Full-Capsid AAV



Scan →



Brochure Download



Sample request

