

THE ABC OF AAV

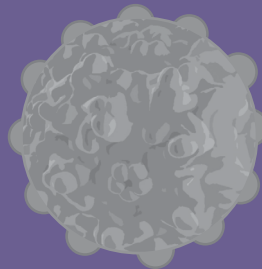
for successful gene therapy

MANUFACTURE
AAV PLASMIDS



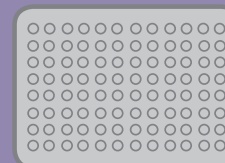
A

ENGINEER & MANUFACTURE
AAV VECTOR



B

QUANTIFY
AAV TITER



C

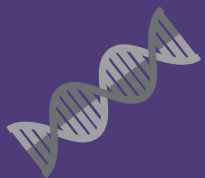
SAFETY & PURITY
AAV VECTOR



AAV vectors are universal gene shuttles in human cells. They represent powerful tools in gene therapy research and development.

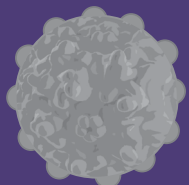
Optimize your workflow and increase your experimental success by using compatible and established products from **PlasmidFactory**, **Sirion Biotech**, **PROGEN**, and **GeneWerk**!





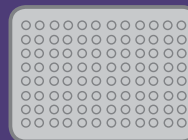
MANUFACTURE AAV PLASMIDS

- Cost-effective & reliable 2-plasmid system
- *In Stock* service for immediate delivery
- Various serotypes of pDG/ pDP plasmids available
- AAV *minicircles* for high productivity & correct packaging
- Contract manufacturing
- HQ for clinical application



ENGINEER & MANUFACTURE AAV VECTOR

- Custom engineering and pilot-manufacturing of 5×10^{12} – 1×10^{14} genetic copies (GC)
- Scale up of preclinical processes into GMP production
- AAV serotypes 1, 1/2, 2, 3, 4, 5, 6 & custom capsid modifications



QUANTIFY AAV TITER

- Dependable and reproducible AAV titer quantification
- Specific recognition of intact AAV particles
- Available for AAV serotypes 1, 2, 3, 5, 6, 8, 9
- Published & validated assays for standardized approaches
- Damage-free AAV purification with OptiPrep™



SAFETY & PURITY AAV VECTOR

- Vector integration site and clonality analysis
- Identification of potential oncogenes cross over from vector production system
- Identification and quantification of nucleotide impurities by NGS
- Vector integrity and irregular encapsidation



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