

# AAV Products and Services

## Tissue-Specific Gene Delivery with AAV

Adeno-Associated Virus (AAV) is a non-enveloped virus with a single stranded DNA genome. The recombinant AAV (rAAV) has become popular as an efficient vehicle to mediate DNA delivery into mammalian cells, both in vitro and in vivo. The AAV system can be used for both tissue-specific gene overexpression and gene knockdown (shRNA).

- Tissue-Specificity: Multiple serotypes allowing for tissue specificity
- Broad Spectrum: Transduce most cells and animal models
- Mild Immune Response
- No Genome Integration: Low risk of insertional mutagenesis

## AAV Products

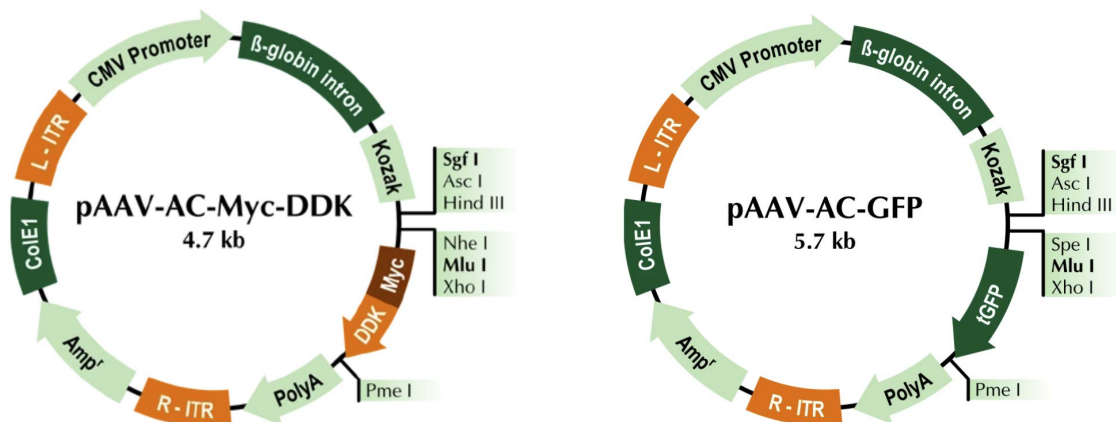
### AAV Control Particles

### AAV Vectors

### AAV Antibodies

Overexpression (ORF)

Knockdown (shRNA)



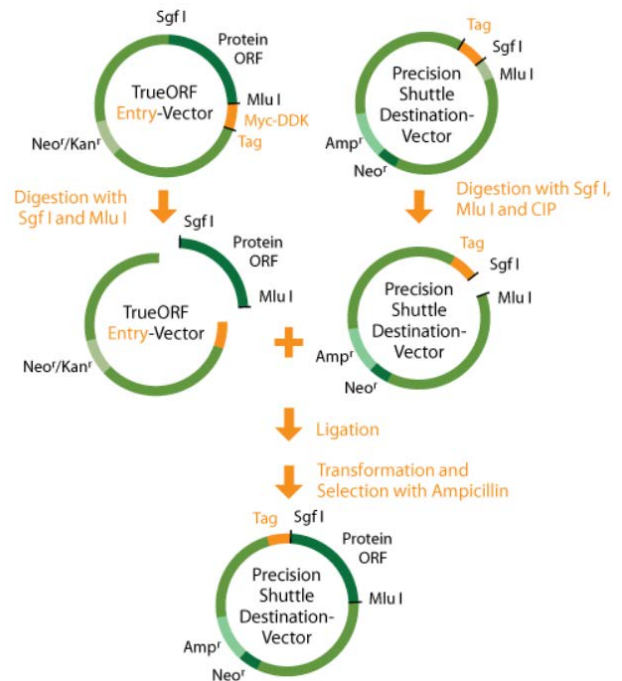
More AAV Vectors:

<https://www.origene.com/products/vectors/aav-vectors>

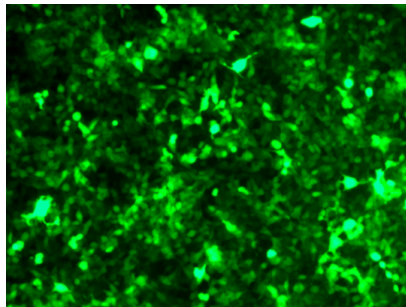
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## Why Should You Use OriGene's AAV Expression Vectors?

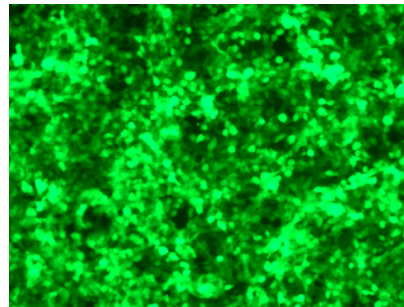
- Easy to subclone with OriGene's novel Precision Shuttle System
- Flexible with multiple reporter options: DDK, GFP, RFP
- Convenient to sequence target after cloning: BGI-F & AC-GFP-R primer binding sites
- Suitable for shRNA mediated knockdown



## Custom AAV Packaging Services



**AAV 2**



**AAV DJ**

In vitro transduction efficiency of HEK293T cell line with different AAV serotypes.

## Why choose OriGene as your partner in AAV particle production?

- Wide Serotype Selection: AAV1, AAV2, AAV5, AAV7, AAV8, AAV9n, AAV-DJ, AAV-PHP.eb, AAVrh.10
- High Titers: Guaranteed titers > 10<sup>13</sup> GC/mL
- Flexibility: Customizable volumes, titers, and purification
- Fast Turnaround: 2-3 weeks
- Gene synthesis and custom cloning services also available

<https://www.origene.com/services/aav-packaging-service-info>