A Complete Workflow for Generating Recombinant Adeno-Associated Viral Vectors

**AAVpro™ products for efficient generation of high titer AAV**

The AAVpro series is a suite of products for generating high titers of transduction-ready recombinant AAV particles. These products cover all steps—from preparation and extraction to purification and titration. The AAV2 particles obtained using the AAVpro system can be used for transduction of mammalian cells or individual animals.

![Figure 1. Workflow for AAV particle production. See the back of this page for more information about each step.](image)

### PRODUCTS

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Product</th>
<th>Package Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>6230</td>
<td>AAVpro Helper Free System (AAV2)</td>
<td>20 μg Each</td>
</tr>
<tr>
<td>6231</td>
<td>pAAV-ZsGreen1 Vector</td>
<td>20 μg</td>
</tr>
<tr>
<td>6232</td>
<td>AAVpro Purification Kit (AAV2)</td>
<td>2 Assays</td>
</tr>
<tr>
<td>6233</td>
<td>AAVpro Titration Kit (for Real Time PCR)</td>
<td>100 Rxns</td>
</tr>
<tr>
<td>6235</td>
<td>AAVpro Extraction Solution</td>
<td>1 Set</td>
</tr>
</tbody>
</table>

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High Titer AAV Preparation without a Helper Virus

- Simply cotransfect HEK 293T cells with three plasmids (pAAV with gene of interest, pRC2-mi342, and pH Helper) to generate recombinant AAV particles.
- Produce AAV particles at very high titer—expression of human microRNA-342 in this system doubles titer.

Easy and Efficient AAV Particle Extraction

- Can be used for any AAV serotype.
- Increases viral particle recovery by at least 3-fold as compared to conventional freeze-thaw methods.
- Resulting viral particle solution contains low amounts of host DNA and protein contamination.

Simple and Fast Purification of AAV Particles without Ultracentrifugation

- Column-based purification yields high yields of highly pure AAV particles in ~4 hours.
- Watch the video protocol on our website at www.clontech.com/AAV-purification.

Precise AAV Titration

- Determine the titer of AAV preps using qPCR under 2.5 hours
- Can be used for any AAV serotype—quantification is based on amplification of the ITR (inverted terminal repeat) of AAV2, a region common to most AAV vectors.
- More precise quantification than conventional DNA blot or ELISA methods.

Learn more about these products at www.clontech.com/AAV