

## AAVpro® CRISPR/Cas9 Helper Free System (AAV2)

<b>Catalog No.</b> 632608	<b>Amount</b> 1 System
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### Description

The AAVpro CRISPR/Cas9 Helper Free System (AAV2) is a complete system for delivery of genes encoding the components necessary for CRISPR/Cas9-mediated genome editing (i.e., sgRNA and Cas9 nuclease) to mammalian cells. The included AAVpro CRISPR/Cas9 Vector Set consists of two plasmids (pAAV-Guide-it-Up and pAAV-Guide-it-Down) that each contain a truncated, upstream or downstream portion of the Cas9 gene with a 1.6-kb region of homology. Due to the nature of the AAV genome, when target cells are transduced with both viruses (Up and Down), recombination occurs at the region of homology to create a full-length Cas9 gene with an upstream CMV promoter. pAAV-Guide-it-Down is supplied pre-linearized for simple cloning of a target-specific sgRNA sequence under the control of the human U6 promoter. This kit also contains all of the components needed for cloning, including ligation mix, necessary controls, and Stellar™ Competent Cells, and includes reagents necessary for helper virus-free AAV packaging.

### Package Contents

- AAVpro CRISPR/Cas9 Vector Set (Cat. No. 632610; not sold separately) [>>View Components](#)
- Guide-it™ Ligation Components (Cat. No. 632605; not sold separately) [>>View Components](#)
- Stellar Competent Cells (Cat. No. 636763) [>>View Components](#)
- pRC2-mi342 Vector (Cat. No. 6281; not sold separately\*) [>> View Components](#)
- pHelper Vector (Cat. No. 6282; not sold separately\*) [>> View Components](#)
- AAVpro Extraction Solution (Cat. No. 6283; not sold separately\*) [>> View Components](#)

\* These components are available for separate purchase in larger quantities.

For storage conditions, please see the Certificate of Analysis supplied with each component.

### Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)

The following documents apply to this product:

- AAVpro CRISPR/Cas9 Helper Free System (AAV2) User Manual
- AAVpro CRISPR/Cas9 Vector Information
- Stellar Competent Cells Protocol-At-A-Glance

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#### Clontech Laboratories, Inc.

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# Product Components List

Cat. No. 632608

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This document has been reviewed and approved by the Clontech Quality Assurance Department.