

## AAVpro® CRISPR/SaCas9 Vector System

**Catalog No.**

632618

**Amount**

1 System

### Description

The AAVpro CRISPR/SaCas9 Vector System is a complete system for cloning a target single guide RNA (sgRNA) used in CRISPR/Cas9-mediated genome editing in mammalian cells. The pAAV-Guide-it-1 Vector is supplied pre-linearized for simple cloning of a target-specific sgRNA sequence under the control of the human U6 promoter. It also contains the Cas9 gene from *Staphylococcus aureus* (SaCas9) expressed from an upstream CMV promoter. SaCas9 has a genome editing efficacy similar to the more commonly used *Streptococcus pyogenes* Cas9 (SpCas9), but is about 1 kb shorter which allows it to be packaged into a single AAV vector. It is important to note that SaCas9 recognizes a different PAM sequence; please check the user manual for details. This kit also contains all of the components needed for cloning including the ligation mix, necessary controls, and Stellar™ Competent Cells.

### Package Contents

- pAAV-Guide-it-1 Vector (Linear) (Cat. No. 632621; not sold separately) [>>View Components](#)
- Guide-it™ Ligation Components v3 (Cat. No. 632620; not sold separately) [>>View Components](#)
- Stellar Competent Cells (Cat. No. 636763) [>>View Components](#)

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/SaCas9 Systems User Manual
- pAAV-Guide-it-1 Vector (Linear) Vector Information
- Stellar Competent Cells Protocol-At-A-Glance

### Notice to Purchaser

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

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**Clontech Laboratories, Inc.**

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