

AAVpro® CRISPR/SaCas9 Helper Free System (AAV2)

Catalog No.	Amount
632619	1 System

Description

The AAVpro CRISPR/SaCas9 Helper Free System (AAV2) is a complete system for the delivery of genes encoding the components necessary for CRISPR/Cas9-mediated genome editing (i.e., sgRNA and Cas9 nuclease) to mammalian cells. 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 can edit the genome with efficiencies similar to those of the more commonly used *Streptococcus pyogenes* (SpCas9), but it is about 1 kb shorter which allows it to be packaged into a single AAV vector. It is important to note that SaCas9 also recognizes a different PAM sequence; please check the user manual for details. This kit also contains all of the components needed for cloning and viral packaging, including ligation mix, necessary controls, Stellar™ Competent Cells, and reagents necessary for helper virus-free AAV packaging.

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](#)
- 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

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

Clontech Laboratories, Inc.

A Takara Bio Company

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: tech@clontech.com

United States/Canada 800.662.2566 (111715)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.543.6116
--	---------------------------------	------------------------------	-----------------------------

Product Components List

Cat. No. 632619

AAVpro® CRISPR/Cas9 Helper Free System (AAV2)

Notice to Purchaser

Clontech products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, *in vitro* diagnostic purposes, therapeutics, or in humans. Clontech products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Clontech Laboratories, Inc.

Your use of this product is also subject to compliance with any applicable licensing requirements described on the product's web page at <http://www.clontech.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by such statements.

AAVpro® is a trademark of Takara Bio., Inc.

Clontech®, the Clontech logo, Guide-it, and Stellar are trademarks of Clontech Laboratories, Inc. All other trademarks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions. Clontech Laboratories, Inc. is a Takara Bio Company. ©2016 Clontech Laboratories, Inc.

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