

Guide-it™ Recombinant Cas9 (3 µg/µl)

Catalog Nos.	Amount	Lot Number
632641 Sold as a part of 632640	100 µg	Specified on product label.

Description

Guide-it Recombinant Cas9 (3 µg/µl) is a recombinant wild-type *Streptococcus pyogenes* Cas9 nuclease expressed with a C-terminal nuclear localization signal (NLS). The Cas9 protein solution has been verified to be sterile and well-tolerated by mammalian cells when electroporated as a ribonucleoprotein complex (RNP) with a single guide RNA (sgRNA) for knockout experiments, or as an RNP with a donor repair template for knockin experiments.

Package Contents

- 100 µg of Guide-it Recombinant Cas9 (3 µg/µl)

Storage Conditions

- Store at -70°C
- Avoid repeated freeze/thaw cycles

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Concentration

- 3 µg/µl

Shipping Conditions

- Dry ice (-70°C)

Product Documents

Documents for our products are available for download at takarabio.com/manuals
The following documents apply to this product:

- Guide-it Recombinant Cas9 (3 µg/µl) User Manual

Quality Control Data

Functional test

150 ng of recombinant Cas9 was tested in an *in vitro* cleavage experiment with a control sgRNA on a control PCR fragment. The recombinant Cas9, sgRNA, and PCR fragment were incubated at 37°C for 1 hr and a gel was run to verify that there was greater than 85% cleavage efficiency.

Sterility Test

There was no evidence of bacterial or fungal growth after inoculation into tryptic soy broth and thioglycolate broth.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

Takara Bio USA, Inc.

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