

Certificate of analysis

Product Name/Description: Recombinant Cas9 Protein GMP grade
Cat. #: T230
Lot #: ALXM003
Storage Conditions: Store at or below -70 degrees C
Expiration Date: November 16, 2024

Package Size: 0.6 mg

Quality Control Data:

Test items	Specifications	Results
Purity (HPLC)	≥90.0%	99.0%
Functional test (cleavage efficiency)	≥85.0%	97.6%
Nuclease check		
Endonucleases	No observable degradation	Pass
Exonucleases	No observable degradation	Pass
Ribonucleases	No observable degradation	Pass
DNA content	≤30 ng/mg protein	<0.73 ng/mg protein
Endotoxin	≤30 EU/mL	<1 EU/mL
Sterility	Negative	Pass
Protein concentration	2.7 ~ 3.3 mg/mL	2.7 mg/mL

It is certified that this product meets the above specifications.

Approved By:

Manager, Quality Assurance
Takara Bio Inc.

Notice To Purchaser:

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Product Documents, Patent Markings, Trademarks, & Safety Information:

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www.takara-bio.co.jp (Japanese)

www.takarabio.com (English)

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