

Certificate of analysis

Product Name/Description: Recombinant Cas9 Protein GMP grade
Cat. #: T230
Lot #: AJ6M001
Storage Conditions: Store at or below -70 degrees C
Expiration Date: June 19, 2021
Package Size: 0.6 mg

Quality Control Data:

Test items	Specifications	Results
Purity (HPLC)	≥90.0%	98.7%
Functional test (cleavage efficiency)	≥85.0%	96.3%
Nuclease check		
Endonucleases	No observable degradation	Pass
Exonucleases	No observable degradation	Pass
Ribonucleases	No observable degradation	Pass
DNA content	≤30 ng/mg protein	<2.58 ng/mg protein
Endotoxin	≤30 EU/mL	<1 EU/mL
Sterility	Negative	Pass
Protein concentration	2.7 ~ 3.3 mg/mL	3.1 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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