

Recombinant COVID-19 NSP8 protein, AVI-tagged

Cat. No. NSP8-197V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 NSP8 protein (Ala1-Gln198) was fused to AVI-tag at the C-terminus and expressed in E.coli.
Species	Sars-CoV-2
Source	E.coli
ProteinLength	Ala1-Gln198
Description	NSP8 is a nonstructural protein of coronavirus. NSP8 acts as a primase in RNA synthesis. NSP8 and NSP7 are essential co-factors of NSP12 (the catalytic subunit with RNA-dependent RNA polymerase activity) that can remarkably stimulates RdRp activity. The nsp12-nsp7-nsp8 subcomplex is defined as the minimal core component for mediating coronavirus RNA synthesis.
Predicted N Terminal	Gly
Form	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant COVID-19 NSP8 consists of 220 amino acids and predicts a molecular mass of 24.17 kDa.
Purity	> 90% as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -20 centigrade to -80 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	ORF1ab
Official Symbol	ORF1ab
Synonyms	ORF1a polyprotein
Gene ID	43740578
Protein Refseq	YP_009725304.1
UniProt ID	P0DTD1

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