

Recombinant COVID-19 Envelope protein, His-tagged

Cat. No. Envelope-302V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Envelope protein (Met1-Val75) was fused to His-tag at the C-terminus and expressed in E.coli.
Species	Sars-CoV-2
Source	E.coli
ProteinLength	Met1-Val75
Description	The COVID-19 is composed of a double-layered lipid envelope, including Spike glycoprotein (S), Envelope protein (E), Membrane glycoprotein (M), and Nucleocapsid protein (Nucleocapsid protein, N). Among them, The amino acid sequence of the COVID-19 envelope protein is 95% identical of the SARS envelope protein.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	The protein has a calculated MW of 9.6 kDa.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	E
Official Symbol	E
Synonyms	envelope protein
Gene ID	43740570
Protein Refseq	YP_009724392.1
UniProt ID	P0DTC4

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