

Recombinant SARS-CoV-2 E Protein (Met1-Val75), N-His and SUMO tagged

Cat. No. E-5385S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 E protein (Met1-Val75) fused with the N-terminal His & SUMO tag was expressed in E. coli.
Species	SARS-CoV-2
Source	E.coli
ProteinLength	Met1-Val75
Description	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined.~ The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The envelope protein is found in virus particles. This protein facilitates assembly and release of the virus and has ion channel activity required for pathogenesis.
Form	Lyophilized powder/frozen liquid
Molecular Mass	21.04 kDa

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Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.4.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	E envelope protein [Severe acute respiratory syndrome coronavirus 2]
Official Symbol	E
Synonyms	E; envelope protein; ORF4; structural protein; E protein
Gene ID	43740570
Protein Refseq	YP_009724392
UniProt ID	P0DTC4

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