

Recombinant SARS-CoV-2 E Protein, Avi-His-tagged(N-ter)

Cat. No. E-58S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 E Protein with Avi-His tag (N-ter) 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	Powder
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.

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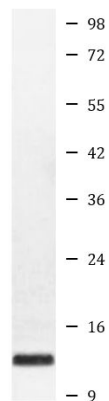
Purity	> 95% (by SDS-PAGE)
Applications	Binding, SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	20 mM Tris (pH 8.0), 250 mM NaCl and 0.5% TritonX-100.
GENE INFORMATION	
Gene Name	E envelope protein [Severe acute respiratory syndrome coronavirus 2]
Official Symbol	E
Synonyms	E; envelope protein; envelope protein; ORF4; structural protein; E protein
Gene ID	43740570
Protein Refseq	YP_009724392
UniProt ID	P0DTC4

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SDS-PAGE



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