

COVID 19 NSP7 Protein Coronavirus Recombinant Protein | COVID-19 recombinant protein

Recombinant 2019-nCoV NSP7 Protein (His Tag)

CATALOG # AAA176993	HOST E Coli
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PRODUCT SYNONYMS

COVID 19 NSP7 Protein Coronavirus; Recombinant 2019-nCoV NSP7 Protein (His Tag); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; SARS-CoV 2 nsp7; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 um Filtered Solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.5.
Concentration	1.74mg/ml (varies by lot)
Sequence Positions	Ser1-Gln83
Sequence Length	83
Species	Virus
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Fusion Tag	C-6His
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on dry ice. Store at <-20°C. Avoid repeated freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Protein Construction: Recombinant 2019-nCoV NSP7 is produced by our E.coli expression system and the target gene encoding Ser1-Gln83 is expressed with a 6His tag at the C-terminus. Background: The ~30kb positive-stranded RNA genome of coronaviruses encodes a replication/transcription machinery that is unusually complex and composed of 16 nonstructural proteins (nsps). The four proteins nsp7 to nsp10, which are conserved among all CoVs but have no functional homologs outside of the Coronaviridae, are translated as part of the viral polyproteins pp1a and pp1ab, and the mature proteins are released by the action of the SARS-CoV protease nsp5. Hexadecamer of nsp7 and nsp8 may possess dsRNA-binding activity. SARS-CoV 2 nonstructural protein 7 (nsp7) is of interest for its potential roles in the transcription and replication of the positive-stranded viral RNA genome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1802476811
NCBI Accession #	YP_009725303.1
NCBI GenBank Nucleotide #	YP_009725303.1
Molecular Weight	Molecular Mass: 12.3 kDa Actual Protein Molecular Mass: 12 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/covid-19-nsp7-protein-coronavirus-recombinant-protein-e-coli/176993>