



Recombinant 2019-nCoV NSP7 (C-6His)

Catalog #	EPT186
Expression Host	E.coli
DESCRIPTION	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.
Accession	YP_009725303.1
Synonyms	SARS-CoV 2 nsp7
Mol Mass	12.3 KDa
AP Mol Mass	12 KDa, reducing conditions
Purity	Greater than 85% as determined by reducing SDS-PAGE.
Endotoxin	
FORMULATION	Supplied as a 0.2 μ m filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, 0.01%Tween80, pH 8.5.

RECONSTITUTION





SHIPPING

The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt.

Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening.

Please minimize freeze-thaw cycles.

BACKGROUND

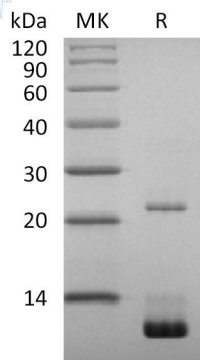
The ~ 30kb positive-stranded RNA genome of coronaviruses encodes a replication/transcription machinery that is unusually complex and composed of 16 nonstructural proteins (nsps). The four proteins nsp7 to nsp10, which are conserved among all CoVs but have no functional homologs outside of the Coronaviridae, 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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SDS-PAGE



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