ELK Biotechnology

Recombinant 2019-nCoV NSP10 (N-6His)

Catalog #	EPT002
Expression Host	E.coli
DESCRIPTION	Recombinant 2019-nCoV NSP10 is produced by our E.coli expression system and the target gene encoding Ala1-Gln139 is expressed with a 6His tag at the N-terminus.
Accession	YP_009725306.1
Synonyms	SARS-CoV 2 nsp10; SARS-CoV 2 Growth factor-like peptide; SARS-CoV 2 GFL
Mol Mass	17.9 KDa
AP Mol Mass	18 KDa, reducing conditions
Purity	Greater than 80% as determined by reducing SDS-PAGE.
Endotoxin	
FORMULATION	Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, pH 7.4.
RECONSTITUTION	

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C

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SHIPPING

The product is shipped on dry ice/polar packs.

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

STORAGE

Store at ≤-70°C, stable for 6 months after receipt.

Store at ≤-70°C, stable for 3 months under sterile conditions after opening.

Please minimize freeze-thaw cycles.

BACKGROUND

Nsp10 have shown that it is a 15-kDa protein of unknown function that has been shown to interact with itself, nsp1, and nsp7. It colocalizes with N to sites of viral replication and is essential for replication. It plays a pivotal role in viral transcription by stimulating both nsp14 3'-5' exoribonuclease and nsp16 2'-O-methyltransferase activities. Therefore plays an essential role in viral mRNAs cap methylation. Nsp10 is a critical regulator of coronavirus RNA synthesis and may play an important role in polyprotein processing.