Recombinant SARS-CoV-2 NSP10 Protein (His Tag)

Catalog Number:PKSR030471

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	SARS-CoV 2 nsp10;SARS-CoV 2 Growth factor-like peptide;SARS-CoV 2 GFL
Species	SARS-CoV-2
Expression Host	E.coli
Sequence	Ala1-Gln139
Accession	YP_009725306.1
Calculated Molecular Weight	17.9 kDa
Observed molecular weight	18 kDa
Tag	N-His

Properties

Purity	> 80 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μM filtered solution of PBS, 10% Glycerol, pH 7.4.
Reconstitution	Not Applicable

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.

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