

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

Catalog Number:PKSR030471



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

## Description

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

## Properties

<b>Purity</b>	> 80 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 µM filtered solution of PBS, 10% Glycerol, pH 7.4.
<b>Reconstitution</b>	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.

## For Research Use Only

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Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017