



# Recombinant SARS-CoV-2 NSP10 [His] (DAGC170)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant SARS-CoV-2 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.
<b>Species</b>	coronavirus
<b>Purity</b>	Greater than 80% as determined by reducing SDS-PAGE.
<b>Conjugate</b>	His
<b>Molecular Weight</b>	17.9kDa
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Supplied as a 0.2 um filtered solution of PBS, 10% Glycerol, pH 7.4.
<b>Preservative</b>	None
<b>Storage</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

## BACKGROUND

<b>Introduction</b>	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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**Keywords**

SARS-CoV-2 NSP10; SARS-CoV-2

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