

**Recombinant SARS-CoV-2 Covid-19 NSP10**

<b>Catalog No :</b>	YD2188
<b>Reactivity :</b>	Human virus
<b>Applications :</b>	ELISA ECL Immunogold
<b>Purity :</b>	>90% as determined by SDS-PAGE
<b>Fields :</b>	For research use only .Not for use in clinical diagnostic procedures.
<b>Gene Name :</b>	ORF1ab
<b>Protein Name :</b>	nsp10,GFL
<b>Human Gene Id :</b>	YP_009725306.1
<b>Source :</b>	E.coli
<b>Dilution :</b>	Testing in progress
<b>Concentration :</b>	>90% as determined by SDS-PAGE
<b>Storage Stability :</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
<b>Molecularweight :</b>	17.99kDa
<b>Observed Band :</b>	18kDa
<b>Background :</b>	Recombinant SARS-CoV-2 NSP10 is produced by E.coli expression system and the target gene encoding Ala1-Gln139 is expressed with N-His Tag
<b>Function :</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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