

Recombinant SARS-CoV-2 Covid-19 NSP10

Catalog No :	YD2188
Reactivity :	Human virus
Applications :	ELISA ECL Immunogold
Purity :	>90% as determined by SDS-PAGE
Fields :	For research use only .Not for use in clinical diagnostic procedures.
Gene Name :	ORF1ab
Protein Name :	nsp10,GFL
Human Gene Id :	YP_009725306.1
Source :	E.coli
Dilution :	Testing in progress
Concentration :	>90% as determined by SDS-PAGE
Storage Stability :	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.
Molecularweight :	17.99kDa
Observed Band :	18kDa
Background :	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
Function :	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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