

Recombinant SARS-CoV-2 (Covid-19) NSP8

Catalog No :	YD2198
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 :	SARS-CoV 2 nsp8
Human Gene Id :	YP_009725304.1
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 :	24.18kDa
Observed Band :	24kDa
Background :	Recombinant SARS-CoV-2 NSP8 is produced by E.coli expression system and the target gene encoding Ala1-Gln198 is expressed with N-His Tag
Function :	Cleavage by the viral main protease, 3CLpro results in generating the nsp8 protein, The nsp8 protein has been shown to associate with several other nsps and to colocalize with these nsps in cytoplasmic complexes that are important for viral RNA synthesis. It forms a hexadecamer with nsp7 (8 subunits of each) that may participate in viral replication by acting as a primase. Alternatively, may synthesize substantially longer products than oligonucleotide primers. Nsp8 was

shown to have RNA-dependent RNA polymerase (RdRp) activity that could be involved in producing primers utilized by nsp12 which is normally accepted to be the RdRp for SARS-CoV.

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