

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

<b>Catalog No :</b>	YD2198
<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>	SARS-CoV 2 nsp8
<b>Human Gene Id :</b>	YP_009725304.1
<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>	24.18kDa
<b>Observed Band :</b>	24kDa
<b>Background :</b>	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
<b>Function :</b>	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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