

Product datasheet for **TP727643**

2019-nCoV Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant 2019-nCoV NSP8 (C-6His)
Species:	2019-nCoV
Expression cDNA Clone or AA Sequence:	Ala1-Gln198
Tag:	C-Avi-6His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.5 .
Note:	Recombinant 2019-nCoV NSP8 is produced by our E.coli expression system and the target gene encoding Ala1-Gln198 is expressed with a 6His tag at the C-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Synonyms:	SARS-CoV 2 nsp8
Summary:	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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