

Product Name: Recombinant SARS-CoV-2 NSP8 (C-6His)
Catalog #: PEV2236

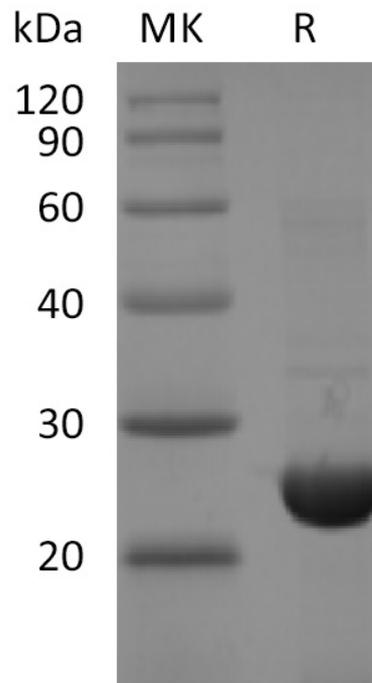


Summary

Name	NSP8
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	Please contact with the lab for this information
Construction	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.
Accession #	YP_009725304.1
Host	E.coli
Species	SARS-CoV-2
Predicted Molecular Mass	25 KDa
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

SARS-CoV 2 nsp8

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.