ATAGENIX LABORATORIES

Catalog Number:ATEP02460COV

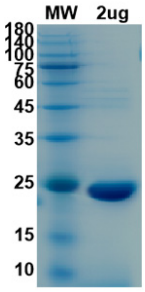
Recombinant 2019-nCoV NSP8

Product Details

Summary

Product name	Recombinant 2019-nCoV NSP8
Catalog#	ATEP02460COV
description	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
Expression system	E.coli
Species	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
Accession #	YP_009725304.1
Alternative names	SARS-CoV 2 nsp8
Predicted Molecular Mass	24.18kDa
Actual Molecular Mass	24kDa
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information.
Formulation	Supplied as solution form in PBS, pH7.4/ Supplied as lyophilized from PBS, pH7.4
Shipping	In general, proteins are shipped out with blue ice unless customers require otherwise.
Stability &Storage	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.
Reconstitution	Reconstitute in sterile water for a stock solution.
Application	Immunogen

SDS-PAGE image



SDS-PAGE Image

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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.

Product performance

Form	Recombinant SARS-CoV-2 (2019-nCoV) NSP8

Note

For research use only.