

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 &StorageUse a manual defrost freezer and avoid repeated freeze thaw cycles.

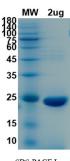
Store at 2 to 8 °C for one week .

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.