

ATAGENIX LABORATORIES

Catalog Number:ATEP02443COV Recombinant 2019-nCoV NSP3

Product Details

Summary

Product name Recombinant 2019-nCoV NSP3

Catalog# ATEP02443COV

description Recombinant SARS-CoV-2 NSP3 is produced by E.coli expression system and the

target gene encoding Glu1024-Gln1198 is expressed with N-His Tag

Expression system E.coli

Species Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)

Accession # QHD43415.1

Alternative names nsp3,PL-PRO,Papain-like proteinase,X domain(Macro domain)

Predicted Molecular Mass 22.03kDa

Purity >90% as determined by SDS-PAGE

Endotoxin level Please contact with the lab for this information.

Formulation Lyophilized Lyophilized from PBS pH7.4,0.02%NLS,1mM EDTA, 4%trehalose,1%

mannitol.

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.

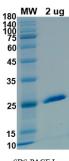
Store at 2 to 8 °C for one week .

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





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Background

The coronaviral proteases, papain-like protease (PLpro) and 3C-like protease (3CLpro), are attractive antiviral drug targets because they are essential for coronaviral replication. PLpro has the additional function of stripping ubiquitin and ISG15 from host-cell proteins to aid coronaviruses in their evasion of the host innate immune responses. Targeting PLpro with antiviral drugs may have an advantage in not only inhibiting viral replication but also inhibiting the dysregulation of signaling cascades in infected cells that may lead to cell death in surrounding, uninfected cells.

| Product performance | | |
|---------------------|--|--|
| Form | Recombinant SARS-CoV-2(2019-nCoV) NSP3 | |
| Note | | |
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For research use only.