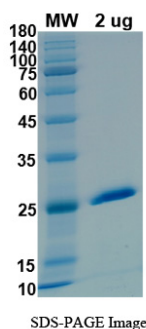


Product Details

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 & 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



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
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Note

For research use only.

