

ATAGENIX LABORATORIES

Catalog Number:ATEP02458COV Recombinant 2019-nCoV 3C-like Proteinase

Product Details

Summary

Product name Recombinant 2019-nCoV 3C-like Proteinase

Catalog# ATEP02458COV

description Recombinant SARS-CoV-2 3C-like Proteinase is produced by E.coli expression

system and the target gene encoding Ser1-Thr304 is expressed with N-Gst Tag

Expression system E.coli

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

Accession # YP_009725301.1

Alternative names M Proteinase, main proteinase (Mpro), 3C-like proteinase

Predicted Molecular Mass 59.87kDa

Actual Molecular Mass 59kDa

Purity >90% as determined by SDS-PAGE

Endotoxin level Please contact with the lab for this information.

Formulation Lyophilized.Lyophilized from PBS pH7.4,1mM 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.

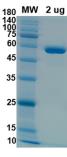
Store at 2 to 8 °C for one week .

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



SDS-PAGE Image



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Background

The viral main proteinase (M pro, also called 3CL pro), which controls the activities of the coronavirus replication complex. It functions as a cysteine protease engaging in the proteolytic cleavage of the viral precursor polyprotein to a series of functional proteins required for coronavirus replication and is considered as an appealing target for designing anti-SARS agents.

Product performance		
Form	Recombinant SARS-CoV-2 (2019-nCoV) 3C-like Proteinase	
Note		
For research use only.		