

COVID 19 3CL MPro Coronavirus Active Protein | COVID-19 active protein

2019-nCoV 3CL MPro Recombinant Protein

CATALOG #
AAA27953

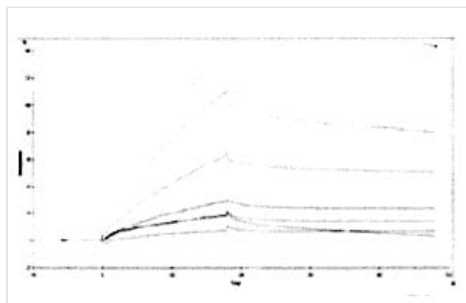
PRODUCT SYNONYMS

COVID 19 3CL MPro Coronavirus; 2019-nCoV 3CL MPro Recombinant Protein; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; 3CL Mpro; M Proteinase; 3CL Proteinase; COVID-19 active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95% as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 um filtered solution of PBS, 1mM EDTA, 10% Glycerol, pH 7.4.
Endotoxin	Less than 0.1 ng/ug (1 EU/ug) as determined by LAL test.
Reaction	Dabcyl-KTSAVLQSGFRKME-Edans 3CLP Dabcyl-KTSAVLQ + SGFRKME-Edans
Definition of activity	One unit is 1pmol sgfrkme-edans was catalyzed per minute at pH 7.0 and temperature 37°C.
Activity	>=10000 u/mg. Disclaimer: The activity data is for reference only. Not guaranteed. Each researcher should verify the enzyme activity in their own model system.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on dry ice. Store at < -20 degree C, stable for 6 months after receipt. Please minimize freeze-thaw cycles

IMAGES



Application Data

3CL Proteinase inhibitor screening using 2019-nCoV 3CL MPro Recombinant Protein
Provided by customer.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein

Description:

Recombinant 2019-nCoV 3C-like Proteinase is produced by our E.coli expression system and the target gene encoding Ser1-Gln306 is expressed with a 6His tag at the N-terminus.

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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/covid-19-active-protein/covid-19-3cl-mpro-coronavirus/27953>