Recombinant SARS-CoV-2 3C-like Proteinase

CATALOG NO: P1550-10 10 µg
P1550-50 50 µg

ALTERNATE NAMES: M Proteinase, 3CL Proteinase, 3CL-Mpro, 3C-like main protease

MOL. WT. 38 kDa (6×His, Avi tag at the N-terminus)

SOURCE: *E.coli*

PURITY: >95% SDS - PAGE

ENDOTOXIN: < 1.0 EU/µg of the protein by LAL method.

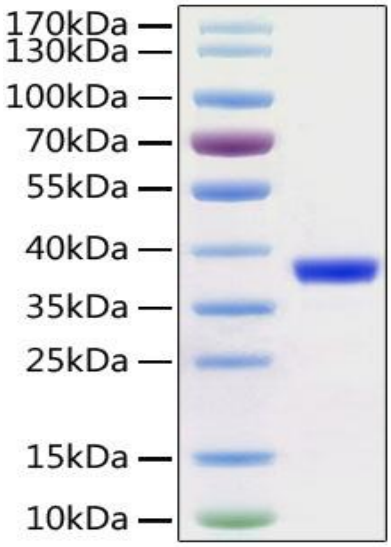
FORM: Liquid

FORMULATION: Supplied as a 0.22 µm filtered solution in 20mM HEPES, 120mM NaCl, 10% Glycerol, 2mM TCEP,pH7.4

STORAGE CONDITIONS: Aliquot and store at -80°C.Avoid repeated freeze-thaw cycles.

DESCRIPTION: 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.

AMINO ACID SEQUENCE: aa 1-306 (Ser1 - Gln306)



SDS-PAGE of Recombinant 3C-like Proteinase

RELATED PRODUCTS:

- Human CellExp™ Coronavirus Spike Protein (MERS-CoV S1; 18-725), Recombinant (P1513)
- Human CellExp™ Coronavirus Spike Protein (SARS-CoV-2; S1), Recombinant (P1524)
- Human CellExp™ SARS-CoV-2 Spike Protein (RBD), Recombinant (P1530)
- Recombinant Bovine Coronavirus Hemagglutinin-esterase (HE) (P1527)
- Human CellExp™ Angiotensin-Converting Enzyme 2 (ACE2), Human Recombinant (P1535)

FOR RESEARCH USE ONLY! Not to be used on humans.