Data Sheet (Cat.No.TMPJ-01448)

TargetMol

3CLpro/3C-like Protease Protein, SARS-CoV-2, Recombinant (His)

General Information

Synonyms: M Proteinase;3CL Proteinase

Protein Construction: Ser3264-Gln3569

Species: 2019-nCoV

Expression Host: E. coli

Accession: P0DTC1

Molecular Weight: 33 KDa (reducing condition)

AA Sequence: Ser3264-Gln3569

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: Greater than 95% as determined by reducing SDS-PAGE. (QC verified)

Formulation: Supplied as a 0.2 μm filtered solution of PBS, 1 mM EDTA, 10% Glycerol, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

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