

Recombinant COVID-19 3CLpro Protein, His-tagged

Cat. No. 3CLpro-82V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 3CLpro Protein(YP_009725295.1) (Ser3264-Gln3569) was expressed in Insect Cells with a N-terminal polyhistidine tagged.
Species	Sars-CoV-2
Source	Insect Cells
ProteinLength	Ser3264-Gln3569
Tag	N-His
Form	Lyophilized from sterile 20mM Tris, pH8.0, 300mM NaCl, 10% glycerol.
Bio-activity	Measured by its ability to cleave a peptide substrate, Dabcyl-KTSAVLQSGFRKME-Ed ans.The specific activity is >5 pmols/min/μg.
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) 3CL Protease consists of 317 amino acids and predicts a molecular mass of 35.31 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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