

Active Recombinant COVID-19 Plpro protein, His-tagged

Cat. No. Plpro-198V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Plpro Protein (Glu1564-Val1880), fused to His-tag at the N-terminus, was expressed in E.coli.
Species	Sars-CoV-2
Source	E.coli
ProteinLength	Glu1564-Val1880
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave a fluorogenic peptide substrate, Arg-Leu-Arg-Gly-Gly-AMC (RLRGGAMC).The Specific Activity is >80pmols/min/μg
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Plpro / papain-like protease (His Tag) consists of 324 amino acids and predicts a molecular mass of 36.79 kDa.
Purity	> 90 % 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 be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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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