

Recombinant COVID-19 3CL-Mpro Protein, His-tagged

Cat. No. 3CL-Mpro-135V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 3CL-Mpro Protein(YP_009725295.1), fused with C-terminal His tag, was expressed in E. coli.
Species	Sars-CoV-2
Source	E.coli
Form	Liquid in sterile 50 mM Tris, 50 mmol NaCl, 50% Glycerol, pH 8.0.
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.
Bio-activity	Measured by its ability to cleave a peptide substrate, Dabcyl-KTSAVLQSGFRKME-Edans. Specific activity of 29.5 pmol/min/μg.
Molecular Mass	It migrates as approximately 33.7 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	≥ 90 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.
Concentration	0.51 mg/mL

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