

SARS-CoV Plpro/papain-like protease Protein (His)

Cat. No.:	HY-P74581
Synonyms:	SARS-CoV (strain WH20) Plpro / papain-like protease
Species:	Virus
Source:	E. coli
Accession:	AAX16193 (E1541-Y1859)
Gene ID:	/
Molecular Weight:	Approximately 36.91 kDa

PROPERTIES

Appearance	Solution
Formulation	Supplied as 0.22 µm filtered solution in 50 mM Tris, 0.1% Tween, 150 mM NaCl, pH 9.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	SARS CoV ORF1ab polyprotein (PP1ab) is a 7073 residues long polyprotein which further produces 5 non-structural proteins (NSPs) after processing through virally encoded proteases (NSP12-NSP16). All these 5 proteins are mainly involved in viral replication, assembly, and immune response modulation. Polyprotein degradation is mediated by main protease (Mpro) and papain-like protease (PLpro), PP1ab is thus processed into the individual NSPs that form the viral replication and transcription complex, The function of viral RNA transcription and replication is performed by a specific RNA dependent RNA polymerase (RdRp) region present in PP1ab [1][2].
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Caution: Product has not been fully validated for medical applications. For research use only.

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