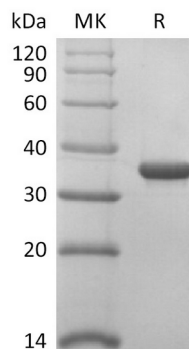


Product Name: Recombinant SARS-CoV-2 Papain-Like Protease
Catalog #: PEV2233

概述 (Summary)

英文全称	Papain-Like Protease/NSP3
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	Please contact with the lab for this information
蛋白构建 (Construction)	Recombinant 2019-nCoV Papain-like Protease is produced by our E.coli expression system and the target gene encoding Glu1564-Lys1878 is expressed.
Accession #	QHD43415.1
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	SARS-CoV-2
预测分子量 (Predicted MW)	35.8 KDa
蛋白形态 (Form)	Supplied as a 0.2 μ m filtered solution of 20mM Tris-HCl, 10 mM 2-Mercaptoethanol, 20% Glycerol, pH 7.5.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

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分子别名 (Alternative Names)

Papain-like Protease; PLpro; PL-PRO; pp1a; Replicase polyprotein 1a

背景介绍 (References)

Replication of severe acute respiratory syndrome (SARS) coronavirus (SARS-CoV) requires proteolytic processing of the replicase polyprotein by two viral cysteine proteases, a chymotrypsin-like protease (3CLpro) and a papain-like protease (PLpro). These proteases are important targets for development of antiviral drugs that would inhibit viral replication and reduce mortality associated with outbreaks of SARS-CoV. PLpro is a cysteine protease located within the non-structural protein 3 (NS3) section of the viral polypeptide. PLPro activity is required to process the viral polyprotein into functional, mature subunits; specifically, PLPro cleaves a site at the amino-terminus of the viral replicase region. In addition to its role in viral protein maturation, PLPro possesses a deubiquitinating and deISGylating activity. In vivo, this protease antagonizes innate immunity by inhibiting IRF3-induced production of type I interferons.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.