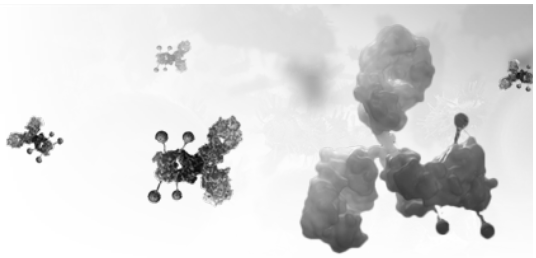

Recombinant SARS-CoV-2 papain-like protease [His] (DAGC154)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	A DNA sequence encoding the SARS-CoV-2 papain-like protease (YP_009725299.1) (Glu1564-Val1880) was expressed with a polyhistidine tag at the N-terminus.
Species	coronavirus
Purity	> 90 % as determined by SDS-PAGE.
Conjugate	His
Applications	SDS-PAGE
Molecular Weight	36.79 kDa
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from sterile 20mM Tris 500mM NaCl, pH 7.4.
Preservative	None
Storage	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.

BACKGROUND

Introduction	The coronaviral proteases, papain-like protease (PLpro) and 3C-like protease (3CLpro), are attractive antiviral drug targets because they are essential for coronaviral replication. PLpro has the additional function of stripping ubiquitin and ISG15 from host-cell proteins to aid

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coronaviruses in their evasion of the host innate immune responses. Targeting PLpro with antiviral drugs may have an advantage in not only inhibiting viral replication but also inhibiting the dysregulation of signaling cascades in infected cells that may lead to cell death in surrounding, uninfected cells.

Keywords SARS-CoV-2; coronavirus; SARS-CoV-2 Plpro; SARS-CoV-2 papain-like protease

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