

Recombinant SARS PLpro Protein, C-His-tagged

Product Information

Cat	IMP-4898
Official Symbol	PLpro
Product Overview	Recombinant SARS-CoV (strain WH20) papain-like protease (PLpro) (AAX16193.1) (Glu1541-Tyr1859) was expressed with a polyhistidine tag at the C-terminus.
Description	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 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.
Expression System	<i>E. coli</i>
Species	SARS
Tag	C-His
Predicted N Terminal	Glu 1541
Form	Lyophilized from sterile 50 mM Tris, 0.1 % Tween, pH 9.0, 5 % trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant SARS-CoV (strain WH20) papain-like protease (PLpro) consists of 325 amino acids and predicts a molecular mass of 36.65 kDa.
Protein length	strainWH20
Endotoxin	Please contact us for more information.
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
SDS-PAGE	

