

Datasheet for ABIN7274382

SARS-CoV NSP3 Protein (AA 1564-1880) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	SARS-CoV NSP3
Protein Characteristics:	AA 1564-1880
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV NSP3 protein is labelled with His tag.

Product Details

Purpose:	SARS-COV-2 PLpro/papain-like protease Protein
Sequence:	Glu1564-Val1880
Characteristics:	Recombinant SARS-COV-2 PLpro/papain-like protease Protein is expressed from E.coli with His tag at the N-Terminus.It contains Glu1564-Val1880.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	SARS-CoV NSP3
Alternative Name:	PLpro (SARS-CoV NSP3 Products)

Target Details

Target Type:	Viral Protein
Background:	The coronaviral proteases, papain-like protease (PLpro) and 3C-like protease (3CLpro), are attractive antiviral drug targets because they are essential for coronaviral replication. Although the primary function of PLpro and 3CLpro are to process the viral polyprotein in a coordinated manner, 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.
Molecular Weight:	39.2 kDa same as Tris-Bis PAGE result.
NCBI Accession:	YP_009725299

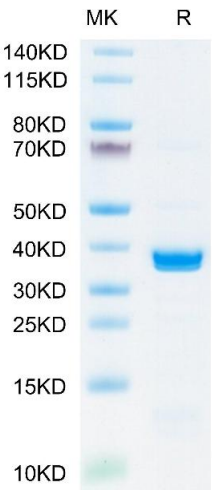
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in 20 mM Tris, 100 mM NaCl, 10 % Glycerol (pH 8.5).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. SARS-COV-2 PLpro on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .