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Datasheet for ABIN6952707

SARS-CoV-2 NSP7 Protein (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 NSP7 (NSP7)
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 NSP7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	SARS-CoV-2 (COVID-19) NSP7 Protein, His Tag
Sequence:	AA 1-83
Characteristics:	SARS-CoV-2 NSP7, His Tag (NS7-C51H6) is expressed from E.coli cells. It contains AA Ser 1 - Gln 83 (Accession # YP_009725303.1). Predicted N-terminus: Met This protein carries a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-MALS.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SARS-CoV-2 NSP7 (NSP7)
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Target Details

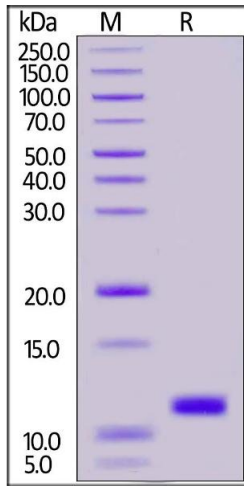
Alternative Name:	SARS-CoV-2 Non-Structural Protein 7 (NSP7 Products)
Target Type:	Viral Protein
Background:	During the formation of the coronaviral replication/transcription complex, essential steps include processing of the conserved polyprotein nsp7-10 region by the main protease Mpro and subsequent complex formation of the released nsp's. Upon infecting host cells, coronaviruses assemble a multi-subunit RNA-synthesis complex of viral non-structural proteins (nsp) responsible for the replication and transcription of the viral genome. non-structural proteins 7 (NSP7) forms a hexadecamer with nsp8 (8 subunits of each) that may participate in viral replication by acting as a primase. Alternatively, may synthesize substantially longer products than oligonucleotide primers.
Molecular Weight:	11.3 kDa
NCBI Accession:	YP_009725303

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	The product MUST be stored at -70°C or lower upon receipt -70°C for 3 months under sterile conditions.



SDS-PAGE

Image 1. SARS-CoV-2 NSP7, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .