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Datasheet for ABIN6952711

SARS-CoV-2 NSP7, NSP8 protein (His tag)

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1 Image

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 NSP7, NSP8
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	SARS-CoV-2 (COVID-19) NSP7&NSP8 Protein, His Tag
Sequence:	AA 1-83
Characteristics:	SARS-CoV-2 NSP7&NSP8, His Tag (NS8-C5125) is expressed from E.coli cells. It contains AA Ser 1 - Gln 83 (NSP7) & Ala 1 - Gln 198 (NSP8) (Accession # YP_009725303.1 (NSP7) & YP_009725304.1 (NSP8). Predicted N-terminus: Met This protein carries a polyhistidine tag.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SARS-CoV-2 NSP7, NSP8
Alternative Name:	SARS-CoV-2 NSP7 & NSP8
Target Type:	Viral Protein

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Target Details

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:	32.1 kDa

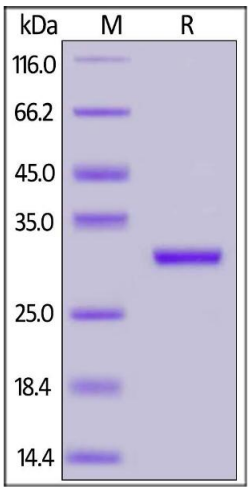
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4
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.

Images



SDS-PAGE

Image 1. SARS-CoV-2 NSP7&NSP8, 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 % .