

Datasheet for ABIN7275372

**SARS-CoV-2 NSP7, NSP8 (AA 1-83) protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	SARS-CoV-2 NSP7, NSP8
Protein Characteristics:	AA 1-83
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 NSP7 & NSP8 Protein
Sequence:	Ser1-Gln83 (NSP7) & Ala1-Gln198 (NSP8)
Specificity:	Uni-Prot: YP_009725303.1 (NSP7), YP_009725304.1 (NSP8)
Characteristics:	SARS-COV-2 NSP7 & NSP8 Protein is expressed from E.coil with His tag at the C-Terminus.It contains Ser1-Gln83(NSP7) & Ala1-Gln198(NSP8).
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-2 NSP7, NSP8
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## Target Details

Alternative Name:	SARS-CoV2 NSP7 & NSP8
Target Type:	Viral Protein
Background:	The crystal structure of the metabolite of remdesivir (Monophosphate of GS-441524) and NSP12-NSP8-NSP7 of SARS CoV-2 virus was recently reported. The crystal structures of ADP-Ribose or AMP and NSP3 of SARS CoV-2 virus were also released, recently. The crystal structure of NSP3 of SARS CoV-2 virus as an alternative binding site of AMP or ADP-ribose to treat COVID-19.
Molecular Weight:	32.8 kDa same as Tris-Bis PAGE result.
NCBI Accession:	<a href="#">YP_009725303</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM Tris, 150 mM NaCl, 200 mM Arginine ( pH 8.2). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** SARS-COV-2 NSP7&NSP8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .