

Datasheet for ABIN7013145
SARS-Coronavirus Nucleocapsid Protein (SARS-CoV N)
(Active) protein (His tag)



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2 Images

Overview

Quantity:	100 µg
Target:	SARS-Coronavirus Nucleocapsid Protein (SARS-CoV N)
Origin:	SARS Coronavirus (SARS-CoV)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	His tag

Product Details

Sequence:	AA 1-422
Characteristics:	SARS Nucleocapsid protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Met 1 - Ala 422 (Accession # NP_828858.1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SARS-Coronavirus Nucleocapsid Protein (SARS-CoV N)
Alternative Name:	SARS Nucleocapsid protein (SARS-CoV N Products)
Target Type:	Viral Protein
Background:	Nucleocapsid (N) protein is the most abundant protein found in coronavirus. CoV N protein is a

Target Details

highly immunogenic phosphoprotein important for viral genome replication and modulation of cell signaling pathways. It was first identified by a research team while they were screening for ADP-ribosylated proteins during coronavirus (CoV) infection (Grunewald M. E., et al. 2017, Virology, 517: 62-68). The array of diverse functional activities accommodated in N protein makes it more than a structural protein but also an interesting target in the development of antiviral therapeutics. Because of the conservation of N protein sequence and its strong immunogenicity, N protein of coronavirus is chosen as a diagnostic tool.

Molecular Weight: 47.7 kDa

NCBI Accession: [NP_828858](#)

Application Details

Restrictions: For Research Use only

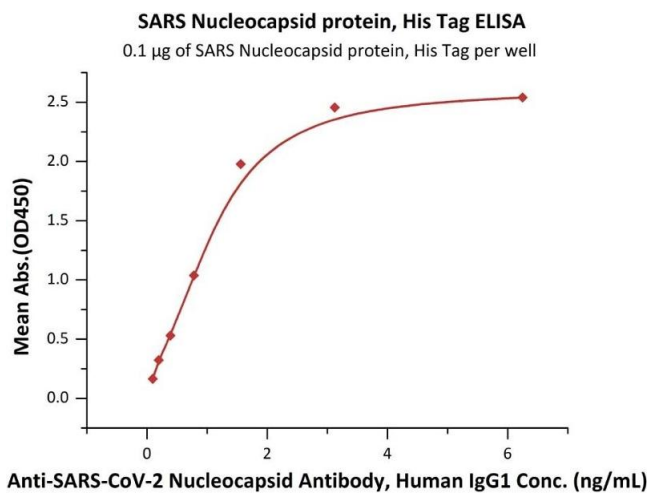
Handling

Format: Lyophilized

Buffer: PBS, Arginine, pH 7.4,

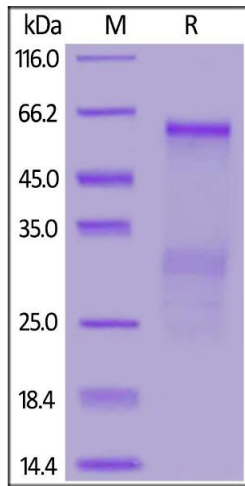
Storage: -20 °C

Images



ELISA

Image 1. Immobilized SARS Nucleocapsid protein, His Tag (ABIN6973216) at 1 µg/mL (100 µL/well) can bind A-CoV-2 Nucleocapsid Antibody, Human IgG1 (NUN-S41) with a linear range of 0.1-2 ng/mL (QC tested).



SDS-PAGE

Image 2. SARS Nucleocapsid protein, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .