Datasheet for ABIN7013242

SARS-CoV-2 Nucleocapsid Protein (SARS-CoV-2 N) (AA 1-419) (His tag)

2 Images

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Overview

Quantity:	200 µg
Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Protein Characteristics:	AA 1-419
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SARS-CoV-2 Nucleocapsid protein is labelled with His tag.

Product Details

Characteristics:	SARS-CoV-2 (COVID-19) Nucleocapsid protein, His Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Alternative Name:	SARS-CoV-2 Nucleocapsid protein (SARS-CoV-2 N Products)
Target Type:	Viral Protein
Background:	Nucleocapsid (N) protein is the most abundant protein found in coronavirus. CoV N protein is a highly immunogenic phosphoprotein important for viral genome replication and modulation of

Target Details

	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:	51.0 kDa

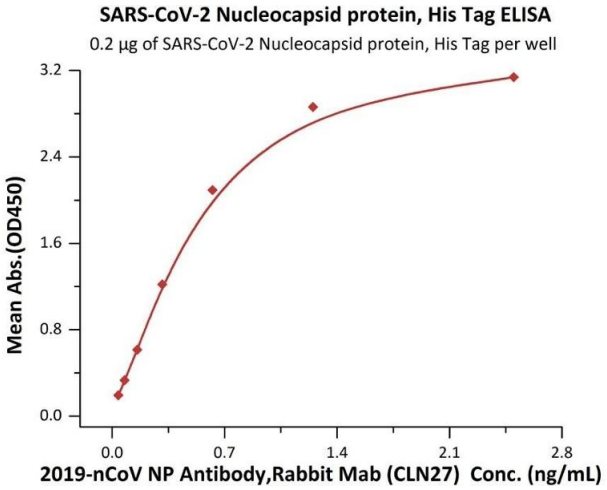
Application Details

Restrictions:	For Research Use only

Handling

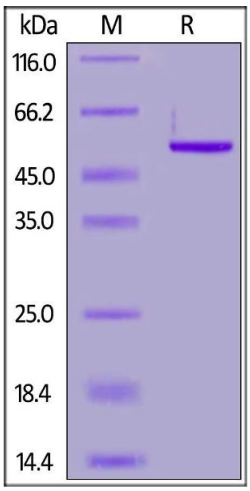
Format:	Liquid
Buffer:	10 mM PB, Arginine, pH 7.4
Storage:	-80 °C

Images



ELISA

Image 1. Immobilized SARS-CoV-2 Nucleocapsid protein, His Tag (ABIN6973187) at 2 μg/mL (100 μL/well) can bind 2 NP Antibody, Rabbit MAb (CLN27) with a linear range of 0.02-0.6 ng/mL (QC tested).



SDS-PAGE

Image 2. SARS-CoV-2 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 % .