Datasheet for ABIN7490687

SARS-CoV-2 Nucleocapsid Protein (SARS-CoV-2 N) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Origin:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Omicron
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Nucleocapsid protein is labelled with His tag.

Product Details

Purpose:	Recombinant SARS-CoV-2 Nucleocapsid (P13L, E31del, R32del, S33del, R203K, G204R) protein with C-terminal 6xHis tag
Specificity:	Nucleocapsid (P13L, E31del, R32del, S33del, R203K, G204R) (Met1-Ala419) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Alternative Name:	SARS-CoV-2 N (SARS-CoV-2 N Products)
Target Type:	Viral Protein
Background:	Nucleocapsid protein,NP,Protein N,Omicron (B.1.1.529) Description: Coronavirus contain most of nucleocapsid protein. Coronavirus nucleoproteins (N

Target Details

	proteins) localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. The nucleolus is the site of ribosome biogenesis and sequesters cell cycle regulatory complexes. Two of the major components of the nucleolus are fibrillarin and nucleolin. These proteins are involved in nucleolar assembly and ribosome biogenesis and act as chaperones for the import of proteins into the nucleolus. Regarding of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is a tool for diagnostic.
Molecular Weight:	predicted molecular mass of 46.3 kDa after removal of the signal peptide. The apparent molecular mass of Nucleocapsid (D63G, R203M, D377Y)-His is 55-70 kDa due to glycosylation.
UniProt:	P0DTC9

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months