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Datasheet for ABIN7535128

**SARS-CoV-2 Nucleocapsid Protein (SARS-CoV-2 N)  
(Gly335Ala) (His tag)**

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Protein Characteristics:	Gly335Ala
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SARS-CoV-2 Nucleocapsid protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant SARS-CoV-2 Nucleocapsid(G335A) Protein
Sequence:	SDNGPQNQRN APRITFGGPS DSTGSNQNGE RSGARSKQRR PQGLPNNTAS WFTALTQHGK EDLKFPRGQG VPINTNSSPD DQIGYYRRAT RRIRGGDGKM KDLSRWYFY YLGTGPEAGL PYGANKDGII WVATEGALNT PKDHIGTRNP ANNAIVLQL PQGTTLPKGF YAEGRGGSQ ASSRSSRSR NSSRNSTPGS SRGTSPARMA GNGGDAALAL LLLDRLNQLE SKMSGKGQQQ QGQTVTKKSA AEASKKPRQK RTATKAYNVT QAFGRRGPEQ TQGNFGDQEL IRQGTDYKHW PQIAQFAPSA SAFFGMSRIG MEVTPSGTWT TYTAAIKLDD KDPNFKDQVI LLNKHIDAYK TFPPTPEPKD KKKKADETQA LPQRQKKQQT VTLLPAADLD DFSKQLQQSM SSADSTQA
Specificity:	Ser2-Ala419(G335A)
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered

## Product Details

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Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Nucleocapsid Protein at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 N Protein Rabbit mAb with a linear range of 0.032-0.79 ng/mL. 2.Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 envelope Protein at 2 µg/mL (100 µL/well) can bind Recombinant SARS-CoV-2 Nucleocapsid protein, the EC <sub>50</sub> of Recombinant SARS-CoV-2 Nucleocapsid protein is 46.90 ng/mL.

## Target Details

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Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Alternative Name:	SARS-CoV-2 Nucleocapsid ( <a href="#">SARS-CoV-2 N Products</a> )
Target Type:	Viral Protein
Background:	Nucleoprotein
Gene ID:	43740575
UniProt:	<a href="#">P0DTC9</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
Concentration:	0.65 mg/mL
Buffer:	Supplied as a 0.22 µm filtered solution in 20 mM Tris, 500 mM NaCl, 0.1 mM EDTA, 10 % glycerol, pH 8.0.
Storage:	-80 °C
Storage Comment:	This liquid product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.