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Datasheet for ABIN7197805

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

Overview

Quantity:	50 µg
Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant SARS-CoV-2 Nucleocapsid Protein(Active)
Sequence:	Met1-Ala419
Characteristics:	Recombinant 2019-nCoV Nucleocapsid Protein is produced by our Mammalian expression system and the target gene encoding Met1-Ala419 is expressed with a 6His tag at the C-terminus.
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	Immobilized 2019-nCoV NP Antibody(6G9)-Fc(Cat#DA027) at 5µg/ml(100 µl/well) can bind Recombinant 2019-nCoV Nucleocapsid Protein (Mammalian)-His(Cat#DRA91).The ED50 of 2019-nCoV Nucleocapsid Protein-His(Cat#DRA91) is 0.172 ug/ml.

Target Details

Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Alternative Name:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N Products)

Target Details

Target Type: Viral Protein

Background: Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

Synonym: SARS-CoV-2 coronavirus NP Protein, SARS-CoV-2 np Protein, SARS-CoV-2 novel coronavirus Nucleoprotein Protein

Molecular Weight: 46.4kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 50 mM Tris-HCl, 150 mM NaCl, 50 mM Arginine, pH 7.5

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
