

Recombinant 2019-nCoV N(D63G, R203M, D377Y, R385K) Protein, His-tagged

Cat. No. N-899V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant 2019-nCoV N(D63G, R203M, D377Y, R385K) Protein(Met 1 - Ala 419)(Accession # QHO62115.1), fused to His tag at the C-terminus, was expressed from HEK293.
Species	Sars-Cov-2
Source	HEK293
ProteinLength	Met 1 - Ala 419
Form	Lyophilized from 0.22 µm filtered solution in PBS 0.5 M Arginine,pH7.3. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	The protein has a calculated MW of 47.2 kDa. The protein migrates as 50-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at:

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-20°C to -70°C for 12 months in lyophilized state;
-70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION
Gene Name

N nucleocapsid phosphoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol

N

Synonyms

coronavirus NP Protein, 2019-nCoV; coronavirus Nucleocapsid Protein, 2019-nCoV; coronavirus Nucleoprotein Protein, 2019-nCoV; cov np Protein, 2019-nCoV; ncov NP Protein, 2019-nCoV; NCP-CoV Nucleocapsid Protein, 2019-nCoV; novel coronavirus NP Protein, 2019-nCoV; novel coronavirus Nucleocapsid Protein, 2019-nCoV; novel coronavirus Nucleoprotein Protein, 2019-nCoV; np Protein, 2019-nCoV; nucleocapsid Protein, 2019-nCoV; Nucleoprotein Protein, 2019-nCoV

Gene ID

43740575

Protein Refseq

YP_009724397.2

UniProt ID

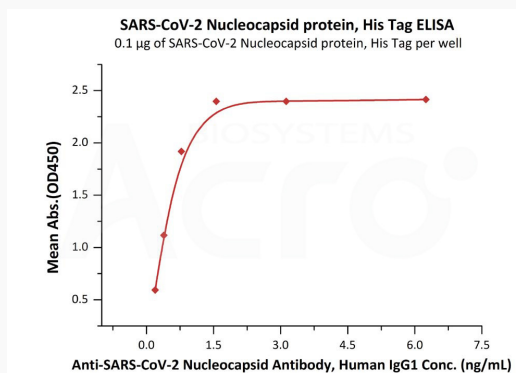
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Bioactivity-ELISA



Immobilized SARS-CoV-2 Nucleocapsid protein, His Tag at 1 µg/mL (100 µL/well) can bind Anti-SARS-CoV-2 Nucleocapsid Antibody, Human IgG1 with a linear range of 0.2-1 ng/mL.

SDS-PAGE

