

Active Recombinant COVID-19 N protein(BA.5/Omicron), His-tagged

Cat. No. N-714V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 N protein(BA.5/Omicron)(Met 1 - Ala 419)(Accession # QHO62115.1(P13L, ERS31-33del, E136D, R203K, G204R, S413R)), fused with His tag at the C-terminus, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Met 1 - Ala 419
Form	Lyophilized from 0.22 µm filtered solution in PBS, 0.2M Arginine, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized SARS-CoV-2 Nucleocapsid protein, His Tag (BA.5/Omicron) at 1 µg/mL (100 µL/well) can bind Anti-SARS-CoV-2 Nucleocapsid Antibody, Chimeric mAb, Human IgG1 with a linear range of 0.1-2 ng/ML.
Molecular Mass	The protein has a calculated MW of 47.1 kDa. The protein migrates as 55-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage This product is stable after storage at:
 -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](#)

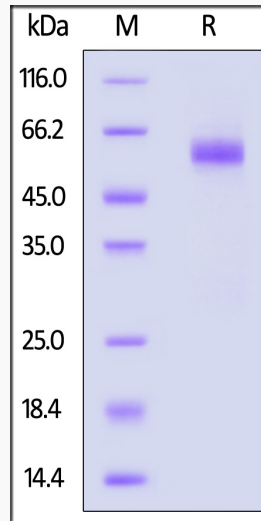
UniProt ID [P0DTC9](#)

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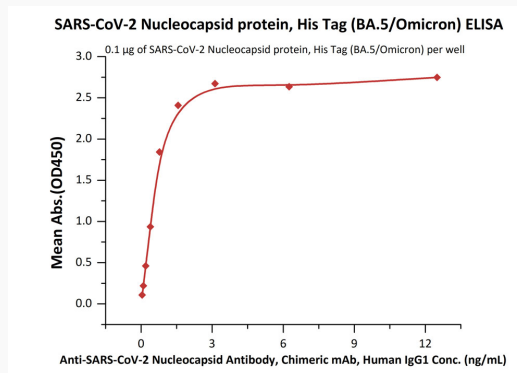
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SDS-PAGE



Bioactivity-ELISA



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