

# Active Recombinant COVID-19 N protein(BA.4/Omicron), His-tagged

**Cat. No.** N-708V    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant COVID-19 N protein(BA.4/Omicron)(Met 1 - Ala 419)(Accession # QHO62115.1(P13L, ERS31-33del, P151S, R203K, G204R, S413R)), fused with His tag at the C-terminus, was expressed in HEK293.
<b>Species</b>	Sars-CoV-2
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1 - Ala 419
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, 0.2M Arginine, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized SARS-CoV-2 Nucleocapsid protein, His Tag (BA.4/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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% 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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