

# Active Recombinant COVID-19 N protein(BA.2\*&BA.3\*/Omicron), His-Avi-tagged, Biotinylated

Cat. No. N-728V Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant COVID-19 N protein(BA.2*&BA.3*/Omicron)(Met 1 - Ala 419) (Accession # QHO62115.1(P13L, ERS31-33del, R203K, G204R, S413R)), fused with His and Avi 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 Anti-SARS-CoV-2 Nucleocapsid Antibody, Chimeric mAb, Human IgG1 at 1 µg/mL (100 µL/well) can bind Biotinylated SARS-CoV-2 Nucleocapsid protein, His,Avitag (BA.2*&BA.3*/Omicron) with a linear range of 0.1-6 ng/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 48.8 kDa. The protein migrates as 33 kDa and 50-60 kDa under reducing (R) condition (SDS-PAGE).
<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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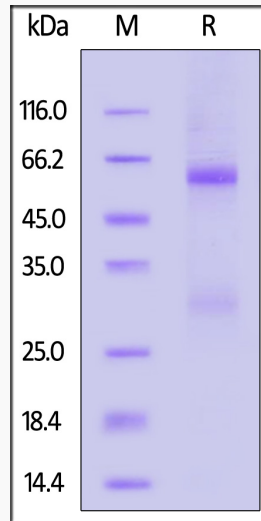
<b>Storage</b>	This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">N nucleocapsid phosphoprotein [ Severe acute respiratory syndrome coronavirus 2 ]</a>
<b>Official Symbol</b>	<a href="#">N</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">43740575</a>
<b>Protein Refseq</b>	<a href="#">YP_009724397.2</a>
<b>UniProt ID</b>	<a href="#">P0DTC9</a>

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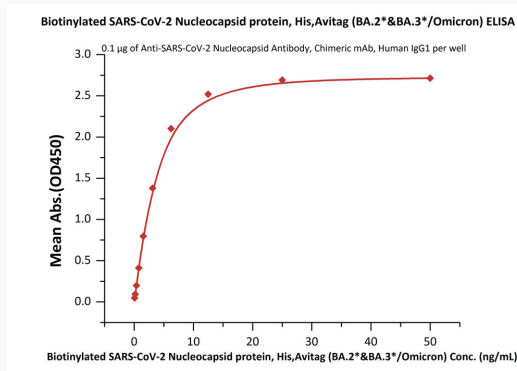
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**SDS-PAGE**



**Bioactivity-ELISA**



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