

Active Recombinant COVID-19 N protein, His-Avi-tagged, Biotinylated

Cat. No. N-115VB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant COVID-19 N protein(Met 1 - Ala 419), fused with His and Avi tag, 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, 10% trehalose.
Bio-activity	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. Immobilized Anti-SARS-CoV-2 Nucleocapsid Antibody, 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.
Molecular Mass	Molecular CharacterizationThis protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).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).

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after 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.
Conjugation	Biotin

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