Active Recombinant COVID-19 N protein, His-tagged

Cat. No. N-465S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 N protein(Met 1 - Ala 419), fused with His 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 with trehalose as protectant.
Bio-activity	Immobilized SARS-CoV-2 Nucleocapsid protein, His Tag (BQ.1/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. Immobilized SARS-CoV-2 Nucleocapsid protein, His Tag (BQ.1/Omicron) at 1 μg/mL (100 μL/well) can bind Anti-SARS-CoV-2 Nucleocapsid Antibody, Human IgG1 with a linear range of 0.1-2 ng/mL.
Molecular Mass	Molecular CharacterizationThis protein carries a polyhistidine tag at the C-terminusThe 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% 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.

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