Recombinant COVID-19 N protein(R203K, G204R), His-tagged

Cat. No. N-709V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 N protein(R203K, G204R)(QHO62115.1)(Met 1 - Ala 419), fused with C-terminal His tag, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Met 1-Ala 419
Tag	C-His
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized SARS-CoV-2 Nucleocapsid protein (R203K, G204R), His Tag at 1 μg/mL (100 μL/well) can bind Anti-SARS-CoV-2 Nucleocapsid Antibody, Chimeric mAb, Human IgG1 with a linear range of 0.2-1 ng/mL.
Molecular Mass	The protein has a calculated MW of 47.4 kDa.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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	Please avoid repeated freeze-thaw cycles. 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.

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