Recombinant COVID-19 Omicron N (P13L, E31del, R32del, S33del, R203K, G204R) protein, His-tagged

Cat. No. N-686V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Omicron N (YP_009724397.2) (Met1-Ala419) (P13L, E31del, R32del, S33del, R203K, G204R) protein, fused to N-terminal His tag, was expressed in E. coli.
Species	Sars-CoV-2
Source	E.coli
ProteinLength	Met1-Ala419
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (P13L, E31del, R32del, S33del, R203K, G204R)-His Recombinant Protein consists of 426 amino acids and predicts a molecular mass of 46.6 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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	Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19 Omicron
Gene ID	43740575
Protein Refseq	YP_009724397.2

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