

Recombinant SARS-COV-2 Nucleocapsid(B.1.1.529/Omicron) Protein

Catalog No.: RP01485LQ Recombinant

Sequence Information

Species Gene ID Swiss Prot

SARS-COV-2 43740575

Tags

C-His

Synonyms

Nucleoprotein

Product Information

Source Purification *E. coli* ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

46.04 kDa 50-55 kDa

Endotoxin

 $< 0.1 \; EU/\mu g$ of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in 20mM Tris, 500mM NaCl, 0.1mM EDTA, 10% glycerol, pH8.0.

Reconstitution

Contact

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Background

Basic Information

Description

Recombinant SARS-COV-2 Nucleocapsid(B.1.1.529/Omicron) Protein is produced by $\it E. coli$ expression system. The target protein is expressed with sequence (Ser2-Ala419(P13L,E31del,R32del,S33del,R203K,G204R)) of sars-cov-2 N (B.1.1.529/Omicron) (Accession #QHD43423.2) fused with a 6×His tag at the C-terminus.

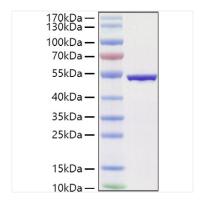
Bio-Activity

Measured by its binding ability in a functional ELISA.Immobilized SARS-CoV-2 Envelope at 2 μ g/mL (100 μ L/well) can bind SARS-COV-2 Nucleocapsid with a linear range of 0.2-65 ng/mL.

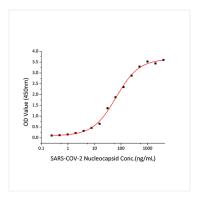
Storage

Store at -70°C. This product is stable at \leq -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant SARS-COV-2 Nucleocapsid(B.1.1.529/Omicron) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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