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Recombinant SARS-CoV-2 Nucleocapsid(G335A) Protein

Catalog No.: RP01281LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV-2	43740575	P0DTC9

Tags
N-His

Synonyms
Nucleoprotein

Product Information

Source	Purification
Baculovirus-Infected Sf9 Cells	> 90% by SDS-PAGE.

Calculated MW	Observed MW
46.35 kDa	55 kDa

Endotoxin
< 0.1 EU/μg 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.Contact us for customized product form or formulation.

Reconstitution

Background

Basic Information

Description
Recombinant SARS-CoV-2 Nucleocapsid(G335A) Protein is produced by Baculovirus-Infected Sf9 Cells expression system. The target protein is expressed with sequence (Ser2-Ala419□Gly335Ala□) of sars-cov-2 Nucleocapsid (Accession #QHD43423.2) fused with a 6×His tag at the N-terminus.

Bio-Activity
1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Nucleocapsid Protein at 2 μg/mL (100 μL/well) can bind SARS-CoV-2 N Protein Rabbit mAb with a linear range of 0.032-0.79 ng/mL.|2.Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 envelope Protein at 2 μg/mL (100 μL/well) can bind Recombinant SARS-CoV-2 Nucleocapsid protein, the EC_{50} of Recombinant SARS-CoV-2 Nucleocapsid protein is 46.90 ng/mL.

Storage
Store at -70℃. This product is stable at ≤ -70℃ 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.

Contact

400-999-6126

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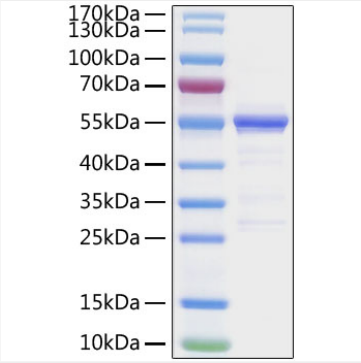
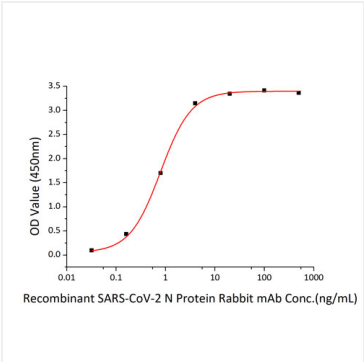
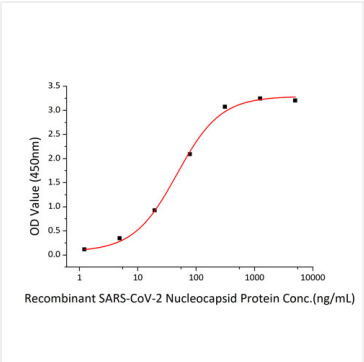
Validation Data



Recombinant SARS-CoV-2 Nucleocapsid(G335A) Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 55 kDa.



Immobilized Recombinant SARS-CoV-2 Nucleocapsid Protein at 2μg/mL (100 μL/well) can bind SARS-CoV-2 N Protein Rabbit mAb with a linear range of 0.032-0.79 ng/mL.



Immobilized Recombinant SARS-CoV-2 envelope Protein at 2μg/mL (100 μL/well) can bind Recombinant SARS-CoV-2 Nucleocapsid protein, the EC_{50} of Recombinant SARS-CoV-2 Nucleocapsid protein is 46.90 ng/mL.