

Recombinant SARS-CoV-2 Nucleocapsid(G335A) Protein

Catalog No.: RP01281LQ Recombinant

Sequence Information

Species Gene ID Swiss ProtSARS-CoV-2 43740575 P0DTC9

Tags

N-His

Synonyms

Nucleoprotein

Product Information

Source	Purification
Baculovirus-Infecte	d ≥ 90 % as
CfO C-II-	al a kan marking a all last of

Sf9 Cells determined by SDS-

PAGE.

Calculated MW Observed MW

46.35 kDa 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.Contact us for customized product form or formulation.

Reconstitution

Contact

2	400-999-6126
\sim	cn.market@abclonal.com.cn
 ᢒ	www.abclonal.com.cn

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 \Box Gly335Ala \Box) 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 μ g/mL (100 μ L/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 μ g/mL (100 μ L/well) can bind Recombinant SARS-CoV-2 Nucleocapsid protein, the EC₅₀ of Recombinant SARS-CoV-2 Nucleocapsid protein is 46.90 ng/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

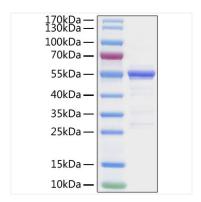
Storage

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.

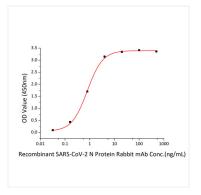
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

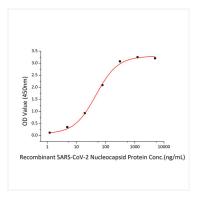
Validation Data



Recombinant SARS-CoV-2 Nucleocapsid(G335A) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant SARS-CoV-2 Nucleocapsid Protein at 2 μ g/mL (100 μ L/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 $2\mu g/mL$ (100 $\mu L/well$) can bind Recombinant SARS-CoV-2 Nucleocapsid protein, the EC₅₀ of Recombinant SARS-CoV-2 Nucleocapsid protein is 46.90 ng/mL.