

# 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.

### 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 6xHis 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 Nucleocapsid 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<sub>50</sub> of Recombinant SARS-CoV-2 Nucleocapsid protein is 46.90 ng/mL.

#### Storage

Store at -70°C. This product is stable at ≤ -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.

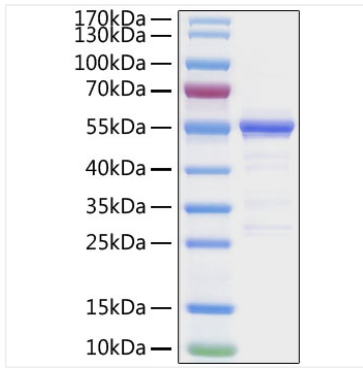
## Contact

☎ | 400-999-6126

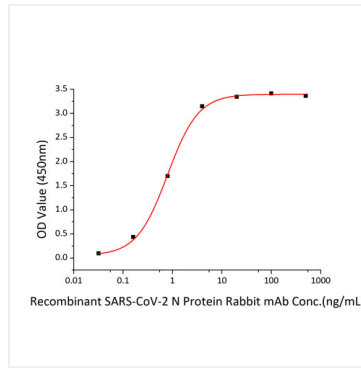
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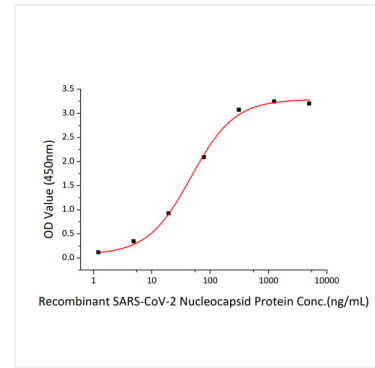
## Validation Data



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 2 $\mu$ g/mL (100  $\mu$ 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 EC<sub>50</sub> of Recombinant SARS-CoV-2 Nucleocapsid protein is 46.90 ng/mL.