

# Recombinant SARS-CoV-2 Nucleocapsid(G335A) Protein

Catalog No.: RP01281 **Recombinant** **1 Publications**

## 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**

### 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

## Contact

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## 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 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

This liquid 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.