

RP01264

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# Recombinant SARS-CoV-2 Nucleocapsid Protein with His tag

Catalog No.: RP01264

Recombinant

1 Publications

## Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV-2	43740575	

### Tags

N-6×His

### Synonyms

Nucleoprotein

## Product Information

### Source

<I>E. coli</I>

### Purification

> 95% by SDS-PAGE;> 95% by HPLC.

### Endotoxin

< 1.0 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(2019-nCoV) Nucleocapsid Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Met1-Ala419) of SARS-COV-2(2019-nCoV) Nucleocapsid (Accession #QHD43423.2) fused with an 6×His tag at the N-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Nucleocapsid at 2μg/mL (100 μL/well) can bind Anti-Nucleocapsid antibody with a linear range of 0.12-1.64 ng/mL. Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 envelope Protein at 2μg/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 41.10 ng/mL.

### Storage

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.

## Contact



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