

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 | Purification |
|----------------|-----------------------------------|
| <i>E. coli</i> | > 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 *E. coli* 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 EC₅₀ 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.

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