

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**
E. coli ≥ 95 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
49.4kDa

Endotoxin
< 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(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.

Shipping

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

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes

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

Contact

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