

SARS-CoV-2 (2019-nCoV) Nucleocapsid-His recombinant Protein, Biotinylated

Catalog Number: 40588-V08B-B



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

NP

Protein Construction:

A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (YP_009724397.2) (Met1-Ala419(335Gly/Ala)) was expressed with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.

Source: 2019-nCoV

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 85 % as determined by SDS-PAGE.

Endotoxin:

< 1.0 EU per µg protein as determined by the LAL method.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met 1

Molecular Mass:

The recombinant SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (His tag) consists of 430 amino acids and predicts a molecular mass of 47.08 kDa.

Formulation:

Lyophilized from sterile PBS, 500mM NaCl, pH 7.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Influenza A viral nucleoprotein (NP) plays a critical role in virus replication and host adaptation. The influenza A virus nucleoprotein (NP) is an essential multifunctional protein that encapsidates the viral genome and functions as an adapter between the virus and the host cell machinery. NPs from all strains of influenza A viruses contain two nuclear localization signals (NLSs): a well-studied monopartite NLS1 and a less-characterized NLS2, thought to be bipartite.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

For US Customer: Fax: 267-657-0217 ● Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288 ● Tel:+86-400-890-9989 ● <http://www.sinobiological.com>