

Recombinant SARS-CoV N Protein (Met1-Ala422), N-His-SUMO tagged, Animal-free, Carrier-free

Cat. No. N-340S Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant SARS-CoV N Protein (Met1-Ala422) with N-His-SUMO tag was expressed in HEK293 and Animal-free as well as Carrier-free.

Species

SARS-CoV

Source

HEK293

ProteinLength

Met1-Ala422

Description

SARS-CoV-2 is a kind of coronavirus which full name is severe acute respiratory syndrome coronavirus 2. SARS-CoV-2 is contagious that causes the respiratory diseases and lung diseases which make difficulty breathing. SARS-CoV-2 do the spillover event in 2019 because it has genetic diversity. SARS-CoV-2 is composed by four subunits (spike, envelope, membrane and nucleocapsid proteins). Its RNA genome is encapsulated with nucleocapsid protein. The viral envelope is comprised of spike, envelope and membrane protein. SARS-CoV-2 has high affinity to ACE2, which is highly expression in intestines, kidney, and heart.

Form

Lyophilized

Molecular Mass

The protein has a calculated MW of 57.57 kDa.
The protein migrates about 75 kDa under reducing condition (SDS-PAGE analysis).

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

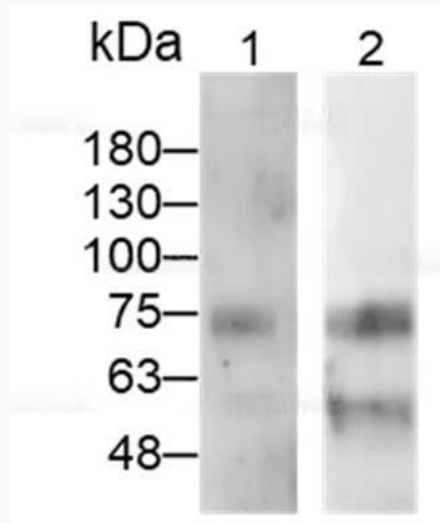
Official Symbol	N
Synonyms	Nucleoprotein; N
UniProt ID	P59595

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WB

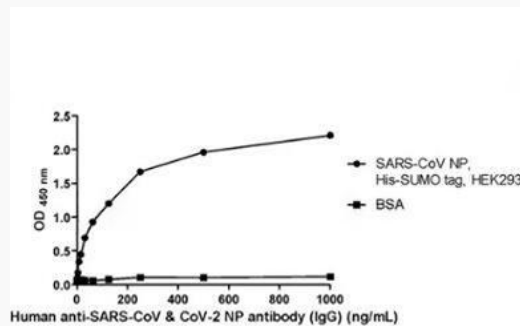


WB analysis of recombinant SARS-CoV nucleocapsid protein.

Lane 1: Human anti-SARS-CoV & CoV-2 NP Antibody (IgG), 0.5 µg/mL (Leadgene cat. 17901)

Lane 2: Human anti-SARS-CoV & CoV-2 NP Antibody (IgM), 0.5 µg/mL (Leadgene cat. 18301)

ELISA



ELISA titration of Human anti-SARS-CoV & CoV-2 NP Antibody (IgG) (Leadgene

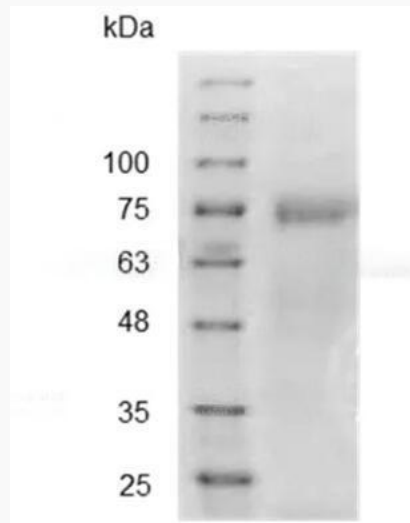
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cat. 17901).

**SDS-PAGE analysis
of recombinant
SARS-CoV
nucleocapsid
protein.**



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