

Recombinant SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (Met1-Ala419), His tagged

Cat. No. N-743S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (Met1-Ala419) with His tagged E. coli.
Species	SARS-CoV-2
Source	E.coli
Protein Length	Met1-Ala419
Description	Coronavirus contain most of nucleocapsid protein. Coronavirus nucleoproteins (N proteins) localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. The nucleolus is the site of ribosome biogenesis and sequesters cell cycle regulatory complexes. Two of the major components of the nucleolus are fibrillarin and nucleolin. These proteins are involved in nucleolar assembly and ribosome biogenesis and act as chaperones for the import of proteins into the nucleolus. Regarding of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is a tool for diagnostic.
Form	Lyophilized
Molecular Mass	49.4 kDa
Purity	> 90% as determined by SDS-PAGE and Coomassie blue staining.

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Storage Store at -80 centigrade for 12 months (Avoid repeated freezing and thawing)

Storage Buffer Lyophilized

GENE INFORMATION

Gene Name N nucleocapsid phosphoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol N

Synonyms N; nucleocapsid phosphoprotein; nucleocapsid phosphoprotein; ORF9; structural protein

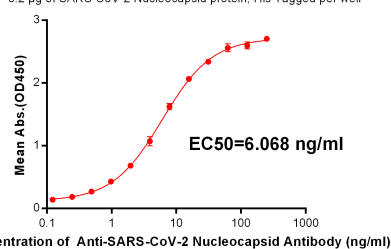
Gene ID 43740575

Protein Refseq YP_009724397

UniProt ID P0DTC9

Activity

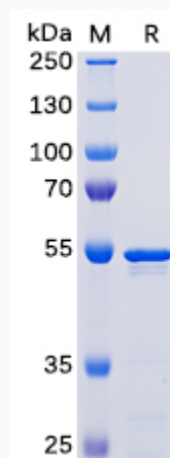
SARS-CoV-2 (2019-nCoV) Nucleocapsid, His Tagged protein ELISA
0.2 µg of SARS-CoV-2 Nucleocapsid protein, His Tagged per well



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SDS-PAGE

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