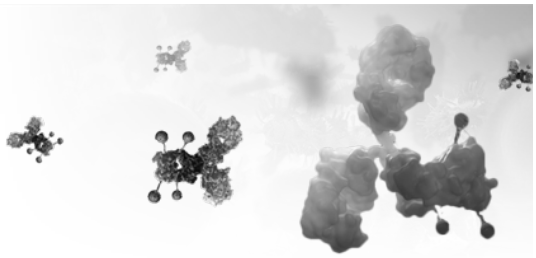

# Recombinant SARS-CoV-2 Nucleocapsid Protein (a.a.1-419) [His] (DAGC161)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Product Overview** | A DNA sequence encoding the SARS-CoV-2 Nucleocapsid Protein (YP_009724397.2(335Gly/Ala)) (Met1-Ala419) was expressed with a polyhistidine tag at the C-terminus. |
| **Species** | coronavirus |
| **Purity** | > 90 % as determined by SDS-PAGE |
| **Conjugate** | His |
| **Molecular Weight** | The recombinant SARS-CoV-2 Nucleocapsid Protein (His tag) consists of 430 amino acids and predicts a molecular mass of 47.08 kDa. |
| **Endotoxin** | < 1.0 EU per ug protein as determined by the LAL method. |
| **Format** | Lyophilized |
| **Size** | 100 µg |
| **Buffer** | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH8.0, 10%glycerol |
| **Preservative** | None |
| **Storage** | Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

## BACKGROUND

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|---|---|
| **Introduction** | SARS-CoV-2 is the virus responsible for COVID-19. It was previously known as 2019 Novel |

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coronavirus (2019-nCov), is a positive-sense single-stranded RNA virus. SARS-CoV-2 has close genetic similarity to bat coronaviruses, from which it likely originated. An intermediate animal reservoir such as a pangolin is also thought to be involved in its introduction to humans. From a taxonomic perspective, SARS-CoV-2 is classified as a strain of the species severe acute respiratory syndrome-related coronavirus (SARSr-CoV).

**Keywords** SARS-CoV-2; coronavirus; SARS-CoV-2 NP; SARS-CoV-2 Nucleocapsid Protein

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