

# Recombinant Proteins

## SARS-CoV-2 Recombinant Nucleocapsid Protein, aa1-419 (HEK293-expressed)



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Catalog # 100-0592  
100-0593

100 µg  
1000 µg

## Product Description

SARS-CoV-2 Recombinant Nucleocapsid Protein, aa1-419 is expressed in HEK293 cells and is one of four structural proteins encoded by the SARS-CoV-2 genome. The Nucleocapsid Protein is transcribed from the viral "N" gene and is the protein that interacts with RNA to form the nucleocapsid. The protein forms a homo-oligomer, and both the monomer and the oligomer can interact with RNA. This protein also interacts with the membrane protein (protein M) after infection of the host cell during packaging of the positive-strand viral genome RNA into the ribonucleocapsid during virion assembly.

## Product Information

**Alternative Names:** Nucleocapsid protein, NC, Protein N, N, N Protein

**Accession Number:** P0DTC9

**Amino Acid Sequence:** DAAQPARRAVRRRTMSDNGPQNQRNAPRITFGGPSDSTGSNQNNGERSGARSKQRRPQGLPNNTASWFTALTQ HGKEDLKFPRGQGVPIINTNSSPDDQIGYYRRATRRIRGGDGKMKDLSRWWYFYLLGTGPEAGLPYGANKDGI I WVATEGALNTPKDHIGTRNPANNAIIVLQLPQGTTLPLKGFYAEGSRGGSQASSRSSSRNSTRNTPGSSRGT SPARMAGNNGGDAALALLLLDRLNQLLESKMSGKGGQQQQQTVTKKSAAEASKKPRQKRTATKAYNVTQAFGR RGPEQTQGNFGDQELIRQGTDYKHWPQIAQFAPSASAFFGMSRIGMEVTPSGTWLTYTAAIKLDDKDPNFKDQ VILLNKHIDAYKTFFPPTPEPKKDKKKKKADETQALPQRQKQQTVTLTPAADLDDFSKQLQSSMSSADSTQA

**Predicted Molecular Mass:** 47.0 kDa

**Species:** Novel human coronavirus (SARS-CoV-2/2019-nCoV)

**Formulation:** Lyophilized from a 0.2 µm-filtered solution containing Tris-HCl, NaCl, and trehalose, pH 7.4.

**Source:** HEK293 cells

## Specifications

**Activity:** Not available

**Purity (SDS-PAGE):** ≥ 90%

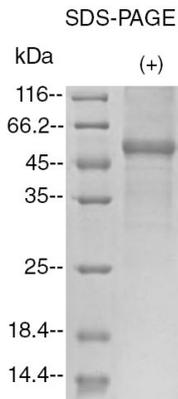
## Preparation and Storage

**Storage:** Store at -20°C to -80°C.

**Stability:** Stable until expiry date (EXP) on label.

**Preparation:** Centrifuge before opening. Reconstitute the product in sterile water to a concentration of 0.1 - 1.0 mg/mL by pipetting the solution down the sides of the vial. Do not vortex. Store at 2 - 8°C for up to 1 week.

## Data



SARS-CoV-2 Recombinant Nucleocapsid Protein was resolved with SDS-PAGE under reducing (+) conditions and visualized by Coomassie Blue staining. SARS-CoV-2 Recombinant Nucleocapsid Protein has a predicted molecular mass of 47.0 kDa and an observed band size of ~50 kDa.

## Related Products

For a complete list of recombinant proteins, as well as related products available from STEMCELL Technologies, visit [www.stemcell.com](http://www.stemcell.com) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## References

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