

Recombinant SARS-CoV2 Nucleocapsid Protein

Catalog Number: AG1902/Lot#031320G

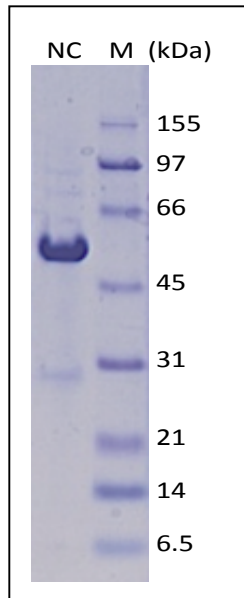
Strength: 10µg, 25ug, 1mg

Accession: YP_009724397

Specifications and Use

Description

Recombinant nucleocapsid protein of the novel coronavirus (SARS-CoV2) was expressed in Sf21 cells and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 428 (419+9) amino acids with a 6His tag at the C-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 52kDa.



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MSDNGPQNQRNAPRITFGGSPDSTGSNQNGERSGARSKQRRPQGLPNNTA  
SWFTALTQHGKEDLKFFPRGQGVPIINTNSSPDDQIGYYRRATRRIRGGDGK  
MKDLSRWYFYLLGTGPEAGLPYGANKDGI I WVATEGALNTPKDHIGTRN  
PANNAIVLQLPQGTTLPGFYAEGSRGGSQASSRSSSRSRNSSRNSTPG  
SSRGTSPARMAGNGGDAALALLLLDRLNQLESKMSGKQQQQQQTVTKKS  
AAEASKKPRQKRTATKAYNVTQAFGRRGPEQTQGNFGDQELIRQGTDYKH  
WPQIAQFAPSASAFFGMSRIGMEVTPSGTWLTYTGAIKLDDKDPNFKDQV  
ILLNKHIDAYKTFPPTEPKKDKKKKADETQALPQRQKKQQTVTLLPAADL  
DDFSKQLQQSMSSADSTQAGGGHHHHH*
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Source

Sf21

Molecular Mass

Approximately 52kD.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Recombinant nucleocapsid protein of SARS-CoV2 is suitable for the studies of antibody generation and other related function assays.

Formulation

20mM Tris-Cl, pH7.9, 20% glycerol, 100mM NaCl, 1mM DTT and 0.5mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity.

FOR RESEARCH USE ONLY!!!