

# Recombinant SARS-CoV2 Nucleocapsid Protein

**Catalog Number:** SJB01  
**Project Number:** AGP06082022  
**Strength:** 1.5mg/ml (7 x 1ml/vial)  
**Accession:** YP\_009724397

## Specifications and Use

**Description** Recombinant nucleocapsid protein of the novel coronavirus (SARS-CoV2) was expressed in E coli cells (BL21-DE3) and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 425 (419+6) amino acids with a 6His tag at the C-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 50kDa.

N	M (kDa)	
	155	
	97	DDFSKÖTLÖÖSMSSADSTÖÄHHHHHH*
	66	ILINKHIDAYKTLFPPLEPKKADDETLÖALPÖRÖKKÖQÖTLVLLPAADL MPÖIÄÖFAPASASAFFGMSRIGMEVLTSPGTMWLTYYTGAIKLDDKDPNFKDÖV AAEASKKPRÖKRTATKAYNVTÖAFGRRGPEÖTÖGNFQDEILIRÖGTDYKH SSRGTSPARMANGGDVAATVLTLLDRLNÖFESKMSGKÖQÖQÖTÖLTKKS PANNAAIVLÖLPÖGTLTPKGFYAAEGSRGSSÖASSRSRSSRNSSTPG MKDLSPRWYFYLYLGTPEAGLPYGANKDGI I WVA TEGALNTPKDHI GTRN SWFTALTÖHÖKEDLPKFRGÖGVPINTNSSPDDÖIGYYRRA TRIRGGDK MSDNGFPÖNÖRNAPRITFFGGPSSDTSGSNÖNGERSGARSKÖRRPÖGLPNTYA
	45	
	31	
	21	
	14	
	7	

**Source** *E coli*

**Molecular Mass** Approximately 50kD.

**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!!!**