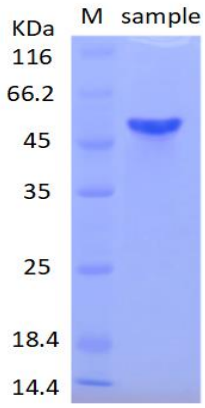
Recombinant SARS-CoV-2 Nucleocapsid Protein (NP) (N-His)

Catalog No: BP033

Description	Recombinant SARS-CoV-2 Nucleocapsid Protein is produced by our *E. coli* expression system and the target gene encoding Met1-Ala419 is expressed with a 6His tag at the N-terminus
Expression System	*Escherichia coli*
Alternative name	Nucleoprotein
Accession No.	P0DTC9
Predicted Molecular Weight	47kDa
Apparent Molecular Weight	50kDa, reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test. Bioactivity: yes
Formulation	Lyophilized from a 0.2 μm filtered solution of PB, pH7.4
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	SARS-CoV-2 Nucleocapsid protein is the most abundant protein for coronavirus. During virion assembly, it packages the viral RNA into a helical nucleocapsid and is highly associated with transcription and replication of the virus. In addition, SARS-CoV-2 Nucleocapsid protein has the potential to become the diagnosis target of the virus due to its strong immunogenicity.

SDS-PAGE



Sample is in reducing condition.