

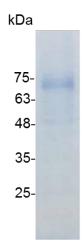
PRODUCT INFORMATION

SARS-CoV-2 Nucleocapsid Protein, His-SUMO tag, HEK293

v. 230201

| Catalog number | C11004-5UG / C11004-20UG / C11004-100UG |
|-----------------|---|
| Package | 5 μg / 20 μg / 100 μg |
| Description | Nucleocapsid protein (NP) packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. NP also plays an important role in enhancing the efficiency of sub-genomic viral RNA transcription as well as viral replication. This product is composed of a DNA sequence encoding SARS-CoV-2 NP and a polyhistidine-SUMO tag at the N-terminus. |
| Source | HEK293 |
| Sequence | MSDNGPQNQRNAPRITFGGPSDSTGSNQNGERSGARSKQRRPQGLPNNTAS WFTALTQHGKEDLKFPRGQGVPINTNSSPDDQIGYYRRATRRIRGGDGKMKDL SPRWYFYYLGTGPEAGLPYGANKGIIWVATEGALNTPKDHIGTRNPANNAAIVL QLPQGTTLPKGFYAEGSRGGSQASSRSSSRSRNSSRNSTPGSSRGTSPARM AGNGGDAALALLLLDRLNQLESKMSGKGQQQQGQTVTKKSAAEASKPRQKRT ATKAYNVTQAFGRRGPEQTQGNFGDQELIRQGTDYKHWPQIAQFAPSASAFF GMSRIGMEVTPSGTWLTYTGAIKLDDKDPNFKDQVILLNKHIDAYKTFPPTEPKK DKKKKADETQALPRQKKQQTVTLLPAADLDDFSKQLQQSMSSADSTQA with polyhistidine-SUMO tag at the N-terminus |
| Endotoxin level | <0.1 EU per 1 µg of the protein by the LAL method. |
| Purity | >98% as determined by SDS-PAGE. Ni-NTA chromatography |
| Formulation | The protein was lyophilized from a solution containing 1X PBS, pH 7.4. |
| Reconstitution | It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| Storage | Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C. |
| Note | Please use within one month after protein reconstitution. |





SDS-PAGE analysis of recombinant SARS-CoV-2 Nucleocapsid Protein

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