

SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (NP-FL) (His Tag)

Basic information:

Catalog No.:	UDP9001-1	Source:	SARS-CoV-2 (2019-nCoV)
Expression Host:	<i>Escherichia coli</i>	Type:	Recombinant protein
Purity:	> 95 % as determined by SDS-PAGE		

Useful Information:

Construction:

A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) nucleocapsid protein was expressed with His-tag in N terminus.

Molecular Mass:

The NP-FL of SARS-CoV-2 (2019-nCoV) nucleocapsid consists of 419 amino acids.

Formulation:

Liquid in sterile PBS, pH7.4.

Biological Activity

N/A

Endotoxin:

N/A

Storage:

Recombinant proteins are provided as frozen liquid which are shipped with dry ice. Bulk packages can be provided as lyophilized powder which shipped with blue ice.

Reconstitution:

According to the application.

Description:

Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways.

Sequences:

MHHHHHMSDNGPQNQRNAPRITFGGPS DSTGSNQNGERSGARSKQRRPQGLPNNTASWFTALTQHGKEDLKFP
RGGQVPINTNSSPDDQIGYYRRATRRIRGGDGKMKDLSRWYFYLLGTGPEAGLPYGANKDGIWVATEGALNTPKDHIG
TRNPANNAIVLQLPQGTTLPKGFYAEGRGGSQASSRSSSRNSSRNSTPGSSRGTS PARMAGNGGDAALALLLLDRL
NQLKESKMSGKGGQQGQQT VTKKSAEASKKPRQKRTATKAYNVTQAFGRRGPEQTQGNFGDQELIRQGT DYKHWPQI
AQFAPSASAFFGMSRIGMEVTPSGTWLTYTGAIKLDDKDPNFKDQVILLNKHIDAYKTFPPEPKDKKKKADETQALPQ
RQKKQQT VLLPAADLDDFSKQLQQSMSSADSTQA.

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