

COVID-19 Nucleocapsid protein (NP)

Origin:	Recombinant	Cat No.	41A220
Source:	<i>E. coli</i>	Size:	0.1 mg
Tag:	No Tag	Purity:	>95%

Description

Expressed in *E. coli* with total 418 AA. Mw: 45.5 KDa (calculated).

Recombinant antigen for research use or manufacturing only.

Antigenicity Test

Antigenicity validated in 16 patient serum samples via ELISA by coating COVID-19 NP as capture antigen, with a detection rate of 93.75%.

Strong antigenic response even in 70000-fold diluted patient serum.

Amino Acid Sequence

SDNGPQNQRNAPRITFGGSPDSTGSGNQNGERSGARSKQRRPQGLPNNNTASWFTALTQHGKEDLKFPRGQ
 GVPINTNSSPDDQIGYYRRATRRIRGGDGKMKDLSRWYFYLLGTGPEAGLPYGANKDGIWVATEGALNT
 PKDHIGTRNPANNAIVLQLPQGTTLPKGFYAEGRGGSQASSRSSSRNSSRNSTPGSSRGTSPARMA
 GNGGDAALALLLLDRLNQLESKMSGKGQQQQGQTVTKKSAAEASKKPRQKRTATKAYNVTQAFGRRGPE
 QTQGNFGDQELIRQGTDYKHWPQIAQFAPSASAFFGMSRIGMEVTPSGTWLTYTAAIKLDDKDPNFKDQVIL
 LNKHIDAYKTFPPTEPKKDKKKKADETQALPQRQKQQTVLLPAADLDDFSKQLQQSMSSADSTQA

Formulation

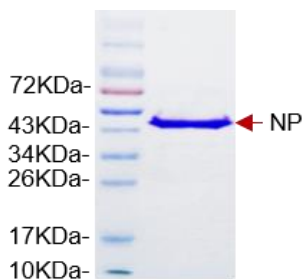
As liquid with vials containing NP to 1.0mg/mL in 50mM Tris, 300mM NaCl, 10% Glycerol, PH8.0.

Quality Control Test

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

SDS-PAGE Gel



COVID-19 NP;
Source: *E. coli* cell.