

COVID 19 Nucleocapsid (NP) Coronavirus Recombinant Protein | COVID-19 recombinant protein

COVID-19 Nucleocapsid protein (NP)

CATALOG # AAA13610	HOST E.Coli	APPLICATIONS Functional Assay
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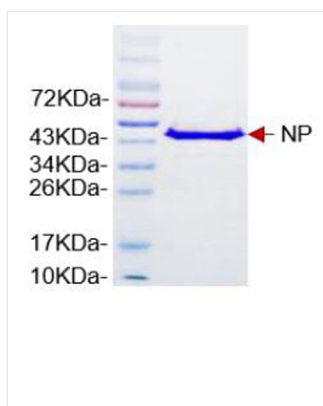
PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) Coronavirus; COVID-19 Nucleocapsid protein (NP); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Nucleocapsid; Nucleoprotein (NP); COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.Coli
Purity/Purification	>95% by SDS-PAGE
Form/Format	Purified, Liquid; 50mM Tris, 300mM NaCl, 10% Glycerol, PH8.0.
Concentration	1.16 mg/ml (quantified by Pierce BCA Protein Assay Kit) (varies by lot)
Applicable Applications for COVID-19 recombinant protein	FA (Functional Assay), IA (Immunoassay)
Application Notes	Functional Test, immunoassay for detection of anti-NP antibody in human blood
Antigenicity Test	Antigenicity validated in 16 patient serum samples via ELISA by coating COVID-19 as capture antigen, with a detection rate of 93.75%. Strong antigenic response even in 70000-fold diluted patient serum.
Note	Centrifuge before opening complete recovery of vial contents
Preparation and Storage	Store liquid protein at 4°C while using. For long term storage, please store at -20°C or below. Avoid repeated freeze/thawing cycles.

IMAGES



SDS-PAGE

Nucleoprotein (NP) of SARS-CoV-2

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Nucleocapsid protein (NP) is the most abundant protein on the helical nucleocapsid of coronaviruses, which envelopes the entire genomic RNA. NP also interacts with other viron structural proteins to play important roles during host cell entry and virus particle assembly and release.
Product Categories/Family for COVID-19 recombinant protein	Infectious Diseases

NCBI AND UNIPROT INFORMATION

Molecular Weight	45.5kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/covid-19-nucleocapsid-np-coronavirus-recombinant-protein-e-coli-fa-functional-assay-ia-immunoassay/13610>