

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

2019 nCoV/COVID19 Nucleocapsid Recombinant

CATALOG #	HOST
AAA14433	HEK cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

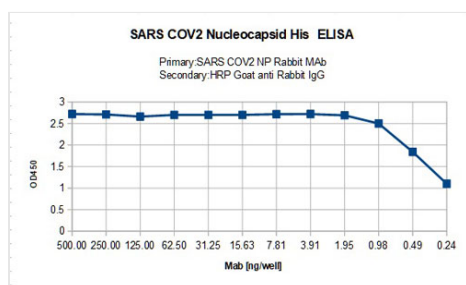
PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) Coronavirus; 2019 nCoV/COVID19 Nucleocapsid Recombinant; 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

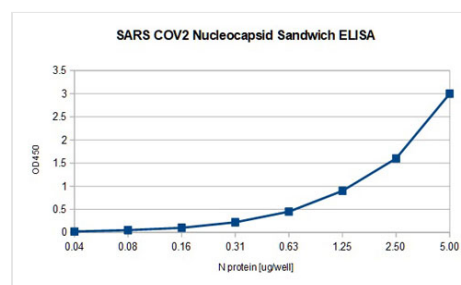
Host	HEK cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>95%, by SDS-PAGE
Form/Format	Lyophilized from sterile solution of pH 7.4
Source Note	DNA sequence encoding the COVID-19 Nucleocapsid protein domain, amino acids [1-419] (accession# YP_009724397.2) including a C-terminal His tag was expressed in HEK cells.
Endotoxin	Less than 1EU/ug as determined by LAL method.
Preparation and Storage	Lyophilized at -20 degree C for 24 months. Lyophilized at ambient temperature for 3 weeks. Reconstituted at -20 degree C for 12 months. Reconstituted at 2-8 degree C for 3 weeks. For long term storage we recommend the addition of a carrier protein at 0.1%. Avoid repeated freeze/thaw cycles.

IMAGES



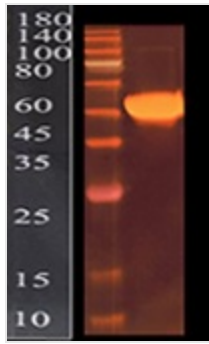
ELISA

Recombinant SARS CoV2 NP-His protein (AAA14433) at 200ng/well. Primary antibody: Anti NP Monoclonal Secondary antibody: HRP Goat Anti rabbit IgG 1:10000



ELISA

Recombinant SARS CoV2 NP-His protein (AAA14433) at varying concentrations 0.4-5 ng/well. Capture antibody: Anti NP Monoclonal ; Detection antibody: Anti NP Monoclonal



SDS-PAGE

The recombinant Nucleocapsid-His protein migrates as 70kDa due to glycosylation

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein

Recombinant NCOV NP encodes the NCOV Nucleocapsid sequence. This molecule has calculated mass of approximately 45kDa. Recombinant Nucleocapsid migrates due to glycosylation as an approximately 60kDa protein under reducing conditions in SDS-PAGE.

Product Categories/Family for COVID-19 recombinant protein

[2019-nCoV/COVID-19 Coronavirus](#); [Viral Antigens](#)

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-hek-cells-host-protein-expression-may-be-lot-specific-and-can-be-subject-to-change-during-production-including-bulk-orders/14433>