COVID 19 Nucleocapsid (NP) Coronavirus Active Protein | COVID-19 active protein

Recombinant Human SARS-CoV-2 Nucleoprotein (HEK)

CATALOG #	HOST
AAA58642	**HEK293 Cells**

PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) Coronavirus; Recombinant Human SARS-CoV-2 Nucleoprotein (HEK); 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 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	Affinity chromatography. Purity: >95% by SDS PAGE
Form/Format	Liquid ; PBS
Concentration	1 mg/ml (varies by lot)
Sequence	Met1-Ala41 9
Tag Information	HIS Tag C-Terminus
Extinction Coefficient	43890 M-1.cm-1 Abs 0.1% (=1 g/l) 0.943 assuming all pairs of Cys residues form cystines
Endotoxins	Negative on cell-based assay
Activity	Recognized by Covid-19 positive patients serum samples.
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze-thaw cycles Stable one week at 2 to 8 degree C after reconstitution under sterile conditions Stable 12 months -20 degree C to -80 degree C after reconstitution under sterile conditions

IMAGES

WB (Western Blot)
Western Blot: NP HIS Tag detected with Covid-19 positive patient serum

SDS-PAGE
SDS-PAGE 4-15% under reducing conditions and visualized by Coomassie blue staining showing a band at approx. 50 kDa

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein	Nucleoprotein (N protein/ Nucleocapsid protein) is one of four structural proteins of Coronavirus (SARS-Cov, SARS-Cov-2, MERS amongst other). The N protein primary function is to package the viral SARS-Cov-2 RNA genome within the viral envelope to form the helical nucleocapsid. N protein is a major immunogen and is highly expressed in infected cells at the early stage of infection.

NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted Molecular Weight: 46.5 kDa; SDS Page: Approx. 50 kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/hek293-cells-covid-19-active-protein/covid-19-nucleocapsid-np-coronavirus/58642