COVID 19 Nucleocapsid (NP) HKU1 Coronavirus Recombinant Protein | COVID-19 recombinant protein

Human Coronavirus (HKU1) Nucleocapsid Protein, His tag, E Coli

CATALOG #	HOST	REACTIVITY
AAA268918	**E Coli**	**Human**

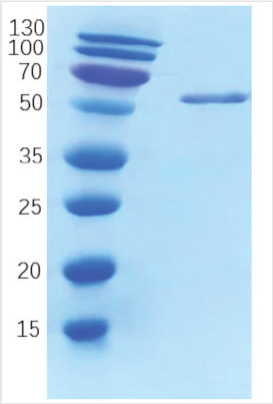
PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) HKU1 Coronavirus; Human Coronavirus (HKU1) Nucleocapsid Protein; His tag; E Coli; 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); HKU1; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 95% as analyzed by SDS-PAGE. The concentration is 0.2 mg/ml.
Form/Format	Purified protein solution after extensive dialysis against PBS, pH 7.4.
Sequence	MSYTPGHYAG SRSSSGNRSG ILKKTSWADQ SERNYQTFNR GRKTQPKFTV STQPQGNTIP HYSWFSGITQ FQKGRDFKFS DGQGVPIAFG VPPSEAKGYW YRHSRRSFKT ADGQQKQLLP RWYFYYLGTG PYANASYGES LEGVFWVANH QADTSTPSDV SSRDPTTQEA IPTRFPPGTI LPQGYYVEGS GRSASNSRPG SRSQSRGPNN RSLSRSNSNF RHSDSIVKPD MADEIANLVL AKLGKDSKPQ QVTKQNAKEI RHKILTKPRQ KRTPNKHCNV QQCFGKRGPS QNFGNAEMLK LGTNDPQFPI LAELAPTPGA FFFGSKLDLV KRDSEADSPV KDVFELHYSG SIRFDSTLPG FETIMKVLEE NLNAYVNSNQ NTDSDSLSSK PQRKRGVKQL PEQFDSLNLS AGTQHISNDF TPEDHSLLAT LDDPYVEDSV A
Expression system	HKU1, produced in E.coli is a single non-glycosylated polypeptide chain containing 441 amino acids. A fully biologically active molecule has a molecular mass of 49.1 kDa. The apparent molecular mass of the protein is approximately 56 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Source	E. coli
Endotoxin	Less than 0.2 EU/?g determined by LAL test.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



SDS-PAGE
SDS-PAGE of Human Coronavirus (HKU1) Nucleocapsid Protein, His tag, E Coli (Cat#:AAA268918).

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Background: Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M.Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a test tool.

NCBI AND UNIPROT INFORMATION

Molecular Weight	49.1kDa. The apparent molecular mass of the protein is approximately 56kDa with 6XHis tag observed by reducing SDS-PAGE.

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://www.aaabiotech.com/covid-19-nucleocapsid-np-hku1-coronavirus-recombinant-protein-e-coli/268918