

Nucleoprotein (NP) Recombinant Protein | NP recombinant protein

Recombinant Influenza A virus Nucleoprotein (NP)

CATALOG #
AAA115524

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

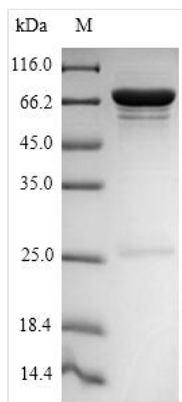
PRODUCT SYNONYMS

Nucleoprotein (NP); Recombinant Influenza A virus Nucleoprotein (NP); Nucleoprotein; Nucleocapsid protein; Protein N; NP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-498aa; Full Length
Sequence	MASQGTKRSY EQMETDGERQ NATEIRASVG KMIDGIGRFY IQMCTELKLS DYEGRLIQNS LTVERMVLSA FDERRNRYLE EHPSAGKDPK KTGGPYKRV GGRWMRELVL YDKEEIRRIW RQANNNGDDAT RGLTHMMIWH SNLNDTTYQR TRALVRTGMD PRMCSLMQGS TLPRRSGAAG AAVKGIGTMV MELIRMIKRG INDRNFWRGE NGRKTRSAYE RMCNILKGKF QTAAQRAMMD QVRESRNPNG AEIEDLIFSA RSALILRGSV AHKSCLPACV YGPVSSGYD FEKEGYSLVG IDPFKLLQNS QVYSLIRPNE NPAHKSQVLW MACHSAAFED LRLLSFIRGT KVSPRGKLT RGVQIASNEN MDNMESSTLE LRSRYWAIRT RSGGNTNQQR ASAGQISVQP TFSVQRNLFP EKSTVMAAFT GNTEGRTSDM RAEIIRMMEG AKPEEVSF RGVFELSDEK ATNPVPSFD MSNEGSYFFG DNAEEYDN
Species	Influenza A virus (strain A/Beijing/353/1989 H3N2)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NP recombinant protein	Encapsidates the negative strand viral RNA, protecting it from nucleases. The encapsidated genomic RNA is termed the ribonucleoprotein (RNP) and serves as template for transcription and replication. The RNP needs to be localized in the nucleus to start an infectious cycle, but is too large to diffuse through the nuclear pore complex. NP comprises at least 2 nuclear localization signals and is responsible of the active RNP import into the nucleus through the cellular importin alpha/beta pathway. Later in the infection, nucleus export of RNP are mediated through viral proteins NEP interacting with M1 which binds nucleoproteins. It is possible that the nucleoprotein binds directly exportin-1 (XPO1) and plays an active role in RNP nuclear export. M1 interaction with RNP seems to hide nucleoprotein's nuclear localization signals. Soon after a virion infects a new cell, M1 dissociates from the RNP under acidification of the virion driven by M2 protein. Dissociation of M1 from RNP unmask nucleoprotein's nuclear localization signals, targeting the RNP to the nucleus (By similarity).
Product Categories/Family for NP recombinant protein	Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	60416250
UniProt Accession #	P69291; Q07539; Q08029
Molecular Weight	72.2 kDa
NCBI Official Full Name	Nucleoprotein
UniProt Protein Name	Nucleoprotein
UniProt Gene Name	NP
UniProt Synonym Gene Names	Protein N
UniProt Entry Name	NCAP_I89A2

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/np-recombinant-protein-e-coli/115524>