

Influenza A virus Nucleoprotein (NP) Recombinant Protein | NP recombinant protein

Recombinant Influenza A virus Nucleoprotein (NP)

CATALOG # AAA309824	HOST E Coli
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Tris-based buffer, 50% glycerol
Sequence Positions	1-498
Sequence	MASQGTKRSY EQMETDGDRQ NATEIRASVG KMIDGIGRFY IQMCTELKLS DYEGRLIQNS LTIERMVLSA FDERRNKYLE EHPSAGKDPK KTGGPYKRV DGKWMRELVL YDKEEIRRIW RQANNDDAT AGLTHMMIWH SNLNDTTYQR TRALVRTGMD PRMCSLMQGS TLPRRSGAAG AAVKGVGTMV MELIRMIKRG INDRNFWRGE NGRKTRIAYE RMCNILKGKF QTAAQRAMMD QVRESRNPNG AEIEDLIFLA RSALILRGSV AHKSCLPACV YGPVASGYD FEKEGYSLVG IDPFKLLQNS QVYSLIRPNE NPAHKSQVLW MACNSAAFED LRVSSFIRGT KVIPRGKLT RGVQIASNEN MDTMGSSLE LRSRYWAIRT RSGGNTNQQR ASAGQISIQP TFSVQRNLPF DKTTIMAAFT GNAEGRTSDM RAEIIRMES ARPEEVSFQG RGVFELSDER AANPIVPSFD MSNEGSYFFG DNAEEYDN
Immunogen	Sequence Info: Full length
Tag Info	N-terminal 6xHis-SUMO-tagged
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C.

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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	139048
UniProt Accession #	P18071
Molecular Weight	72.1 kDa

NCBI Official Full Name	Nucleoprotein
UniProt Protein Name	Nucleoprotein
UniProt Gene Name	NP
UniProt Synonym Gene Names	Protein N

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/np-recombinant-protein-e-coli/309824>