

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

Recombinant Influenza B virus Nucleoprotein (NP)

CATALOG # AAA18565	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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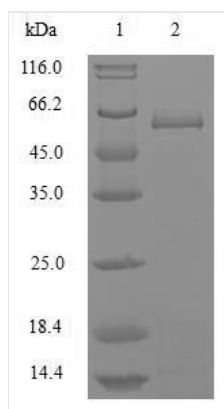
PRODUCT SYNONYMS

Influenza B virus Nucleoprotein (NP); Recombinant Influenza B virus Nucleoprotein (NP); 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	1-560aa; Full Length
Sequence	MSNMDIDSIN TGTIDKTPEE LTPGTSGATR PIIKPATLAP PSNKRTRNPS PERTTSSET DIGRKIQKKQ TPTEIKKSVY KVVVKLGEFY NQMMVKAGLN DDMERNLIQN AQAVERRILLA ATDDKKTEYQ KKRNRADVKE GKEEIDHNKT GGTFYKMVRD DKTIFYSPIK ITFLKEEVKT MYKTTMGSDG FSGLNHIMIG HSQMNDVCFQ RSKGLKRVGL DPSLISTFAG STLPRRSGTT GVAIKGGGTL VDEAIRFIGR AMADRGLLRD IKAKTAYEKI LLNLKNKCSA PQQKALVDQV IGSRNPGIAD IEDLTLLARS MVVVRPSVAS KVVLPISIYA KIPQLGFNTE EYSVMGYEAM ALYNMATPVS ILRMGDDAKD KSQLFFMSCF GAAYEDLRVL SALTGTEFKP RSALKCKGFH VPAKEQVEGM GAALMSIKLQ FWAPMTRSGG NEVSGEGGSG QISCSPVFAV ERPIALSKQA VRRMLSMNVE GRDADVKGNL LKMMNDSMAK KTSNGAFIGK KMFQISDKNK VNPPIPIKQ TIPNFFFGRD TAEDYDDLDDY
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

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 ses 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.
References	Influenza B virus genome complete nucleotide sequence of the influenza B/lee/40 virus genome RNA segment 5 encoding the nucleoprotein and comparison with the B/Singapore/222/79 nucleoprotein.Briedis D.J., Tobin M.Virology 133:448-455(1984) Caspase-dependent N-terminal cleavage of influenza virus nucleocapsid protein in infected cells.Zhirnov O.P., Konakova T.E., Garten W., Klenk H.J. Virol. 73:10158-10163(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	8486155
NCBI GeneID	26824002
NCBI Accession #	NP_056661.1
NCBI GenBank Nucleotide #	NC_002208.1
UniProt Accession #	P04665
Molecular Weight	63.8 kDa
NCBI Official Full Name	nucleoprotein
NCBI Official Symbol	NP
NCBI Protein Information	nucleoprotein
UniProt Protein Name	Nucleoprotein
UniProt Gene Name	NP
UniProt Synonym Gene Names	Protein N
UniProt Entry Name	NCAP_INBLE

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/18565>