

Nucleoprotein Recombinant Protein | N recombinant protein

Recombinant Rabies virus (strain PM1503/AVO1) Nucleoprotein

CATALOG # AAA114823	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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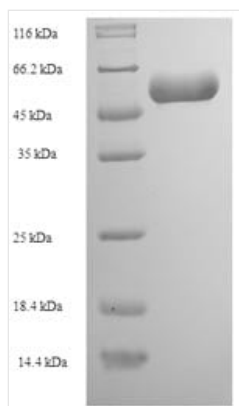
PRODUCT SYNONYMS

Nucleoprotein; Recombinant Rabies virus (strain PM1503/AVO1) Nucleoprotein; Nucleocapsid protein; Protein N; N 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	1-450. Full Length
Sequence	MDADKIVFKV NNQVSLKPE IVDQYEEKY PAIKDLKKPC ITLGKAPDLN KAYKSVLSGM NAAKLPDDV CSYLAAMQF FEGTCPEDWT SYGILIARKG DRITPNSLVE IKRTDVEGNW ALTGGMELTR DPTVSEHASL VGLLLSLYRL SKISGQNTGN YKTNADRIE QIFETAPFVK IVEHHTLMTT HKMCANWSTI PNFRLAGTY DMFFSRIEHL YSAIRVGTVV TAYEDCSGLV SFTGFIKQIN LTAREAILYF FHKNFEEEEIR RMFEPGQETA VPHSYFIHFR SLGLSGKSPY SSNAVGHVFN LIHFVGCYMG QVRS LNATVI AACAPHEMSV LGGYLGEEFF GKGTFERRFF RDEKELQEYE AAELTKTDVA LADDGTVNSD DEDYFSGETR SPEAVYTRIM MNGGRLKRSH IRRYVSVSSN HQARPNSFAE FLNKYSNDS
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 N recombinant protein	Encapsidates the genome in a ratio of one protein N per nine ribonucleotides, protecting it from nucleases. If expressed without protein P it binds non-specifically RNA and therefore can bind it's own mRNA. Interaction with protein P abolishes any non-specific RNA binding, and prevents phosphorylation. The soluble N-P complex encapsidates specifically the genomic RNA, with protein N protecting the genome like a pearl necklace. The encapsidated genomic RNA is termed the nucleocapsid (NC) and serves as template for viral transcription and replication. Protein N binds protein P in the NC through a different interaction, and can be phosphorylated. Subsequent viral replication is dependent on intracellular concentration of newly synthesized protein N. During replication, encapsidation by protein N is coupled to RNA synthesis and all replicative products are resistant to nucleases.
References	Sequence of the 3386 3' nucleotides of the genome of the AVO1 strain rabies virus structural similarities in the protein regions involved in transcription.Poch O., Tordo N., Keith G.Biochimie 70:1019-1029(1988) Characterization of rabies virus vaccine strains.Stallkamp I., Lopez-Yomayaza C.C., Thiel H.-J.

NCBI AND UNIPROT INFORMATION

NCBI GI #	152031643
UniProt Accession #	P15197; Q4F903
Molecular Weight	52.7 kDa
NCBI Official Full Name	Nucleoprotein
UniProt Protein Name	Nucleoprotein
UniProt Gene Name	N
UniProt Synonym Gene Names	NP; Protein N
UniProt Entry Name	NCAP_RABVA

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/n-recombinant-protein-e-coli/114823>