Nucleoprotein (N) Allpahuayo Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nucleoprotein (N), Recombinant Protein
Full Product Name	Recombinant Allpahuayo virus Nucleoprotein (N), partial
Product Gene Name	N recombinant protein
Product Synonym Gene Name	N
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
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.
Molecular Weight	62,354 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9DK04
Species	Allpahuayo virus (isolate Rat/Peru/CLHP-2472/1997) (ALLV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for N recombinant protein	MBS1314320 is a recombinant protein targeting N. Also known as Recombinant Allpahuayo virus Nucleoprotein (N), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of N recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for N. It may not necessarily be applicable to this product.

NCBI GI #	164682566
NCBI GeneID	5848531
NCBI Accession #	YP_001649220.1
UniProt Primary Accession #	Q9DK04
UniProt Related Accession #	Q9DK04
GenBank Nucleotide #	NC_010253.1
NCBI Official Full Name	nucleocapsid protein
NCBI Official Symbol	N
UniProt Protein Name	Nucleoprotein

UniProt Synonym Protein Names	Nucleocapsid protein
UniProt Gene Name	N
NCBI Protein Information	nucleocapsid protein
UniProt Comments for N	Encapsidates the genome, protecting it from nucleases. The encapsidated genomic RNA is termed the nucleocapsid (NC). Serves as template for viral transcription and replication. The increased presence of protein N in host cell does not seem to trigger the switch from transcription to replication as observed in other negative strain RNA viruses. Disables the host innate defense by interfering with beta interferon (IFNB) production through the inhibition of host IRF3 phosphorylation and activation by host IKBKE. Through the interaction with host IKBKE, strongly inhibits the phosphorylation and nuclear translocation of IRF3, a protein involved in IFN activation pathway, leading to the inhibition of IFNB and IRF3-dependent promoters activation.
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