

Nucleoprotein Recombinant Protein | NP recombinant protein

Recombinant Zaire ebolavirus Nucleoprotein (NP), partial

CATALOG # AAA18673	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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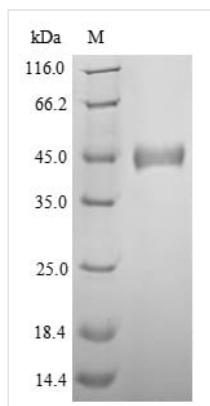
PRODUCT SYNONYMS

Nucleoprotein; Recombinant Zaire ebolavirus Nucleoprotein (NP); partial; 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	488-739aa; Partial
Sequence	LDEDEDTKP VPNRSTKGGQ QKNSQKGQHI EGRQTQSRPI QNVPGPHRTI HHASAPLTDN DRRNEPSGST SPRMLTPINE EADPLDDADD ETSSLPPLES DDEEQDRDGT SNRTPTVAPP APVYRDHSEK KELPQDEQQD QDHTQEARNQ DSDNTQSEHS FEEMYRHILR SQGPFDVLY YHMMKDEPVV FSTSDGKEYT YPDSLEEEYP PWLTEKEAMN EENRFVTLDG QQFYWPVMNH KKNFMAILQH HQ
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 genome, protecting it from nucleases. The encapsidated genomic RNA is termed the nucleocapsid and serves as template for transcription and replication. During replication, encapsidation by NP is coupled to RNA synthesis and all replicative products are resistant to nucleases.
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References	The nucleoprotein gene of Ebola virus cloning, sequencing, and in vitro expression.Sanchez A., Kiley M.P., Holloway B.P., McCormick J.B., Auperin D.D.Virology 170:81-91(1989) Sequence analysis of the Ebola virus genome organization, genetic elements, and comparison with the genome of Marburg virus.Sanchez A., Kiley M.P., Holloway B.P., Auperin D.D.Virus Res. 29:215-240(1993) Molecular characterization of guinea pig-adapted variants of Ebola virus.Volchkov V.E., Chepurinov A.A., Volchkova V.A., Ternovoj V.A., Klenk H.D.Virology 277:147-155(2000) Wilson J.A., Kondig J.P., Kuehne A.I., Hart M.K. The assembly of Ebola virus nucleocapsid requires virion-associated proteins 35 and 24 and posttranslational modification of nucleoprotein.Huang Y., Xu L., Sun Y., Nabel G.J.Mol. Cell 10:307-316(2002) Functional mapping of the nucleoprotein of Ebola virus.Watanabe S., Noda T., Kawaoka Y.J. Virol. 80:3743-3751(2006) Mapping of the VP40-binding regions of the nucleoprotein of Ebola virus.Noda T., Watanabe S., Sagara H., Kawaoka Y.J. Virol. 81:3554-3562(2007)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10314000
NCBI GeneID	911830
NCBI Accession #	NP_066243.1
NCBI GenBank Nucleotide #	NC_002549.1
UniProt Accession #	P18272; Q773N6; Q8JS64; Q9DQD3; Q9YMG4; AAD14590
Molecular Weight	31.1 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_EBOZM

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.