

Recombinant Ebola NP protein

Cat. No. NP-49E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Nucleoprotein (NP) of Ebola virus has strong antigenicity in immune reactions. C-terminal of EBO-S nucleoprotein was expressed and purified from E. coli, it migrated at 15kDa on SDS-PAGE and pI is 4.52. Ebola Sudan was purified by a proprietary chromatographic technique.
Species	EBOV
Source	E.coli
Description	Ebolavirus (EVD) belongs to the Filoviridae family of proteins which is comprised of a single-strand, non-infectious RNA genome. EVD genome is about 19,000 base pairs long and covers 7 genes in the order 3'-UTR-NP-VP35-VP40-GP-VP30-VP24-L-5'-UTR. There are 4 different ebolaviruses such as: Zaire (EBO-Z), Sudan (EBO-S), Cote d'Ivoire (EBO-CI) and Reston (EBO-R) that differ in amino acid sequence and location of where the gene overlaps. Similar to filoviruses and ebolavirions, EVD is a filamentous element that could appear in 3 forms: shepherd's crook, U shape or a 6 shape. Ebolaviruses may be coiled, toroid, or branched. Most ebolavirions are 80nm wide and 14,000nm long.
Form	Ebola Sudan protein solution is supplied in Phosphate buffer and 0.02% sodium azide.
Molecular Mass	15kDa
Purity	>95% pure as determined by 12% SDS-PAGE (Coomassie blue stain).

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Applications	Immunoassay.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Shipping	Ice Packs

GENE INFORMATION

Gene Name	NP nucleoprotein [Sudan ebolavirus]
Official Symbol	NP
Synonyms	NP; nucleoprotein
Gene ID	3160777
Protein Refseq	YP_138520.1
UniProt ID	Q5XX08

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