

Lassa virus Nucleoprotein (N) Recombinant Protein | LASVsSgp1 recombinant protein

Recombinant Lassa virus Nucleoprotein (N)

CATALOG # AAA235207	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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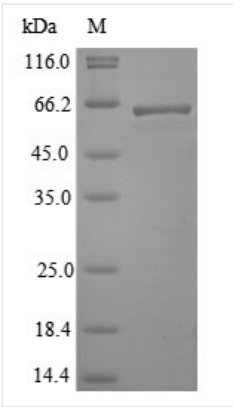
PRODUCT SYNONYMS

Lassa virus Nucleoprotein (N); Recombinant Lassa virus Nucleoprotein (N); Nucleocapsid protein; Protein N; LASVsSgp1 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	1-569aa; Full Length
Sequence	MSASKEIKSF LWTQSLRREL SGYCSNIKQ VVKDAQALLH GLDFSEVSNV QRLMRKERRD DNDLKRLRDL NQAVNNLVEL KSTQQKSILR VGTLTSDDLL ILAADLEKLK SKVIRTERPL SAGVYMGNLS SQQLDQRRAL LNMIGMSGGN QGARAGRDGV VRVWDVKNAE LLNNQFGTMP SLTLACLTQ GQVDLNDVQ ALTDLGLIYT AKYPNTSDLD RLTQSHPIIN MIDTKKSSLN ISGYNFSLGA AVKAGACMLD GGNMLETIKV SPQTMKGILK SILKVKKALG MFISDTPGER NPYENILYKI CLSGDGPYI ASRTSITGRA WENTVVDLES DGKPQKADSN NSSKSLQSAG FTAGLTYSQL MTLKDAMLQL DPNAKTWMDI EGRPEDPVEI ALYQPSSGCY IHFFREPTDL KQFKQDAKYS HGIDVTDLFA TQPGLTSAVI DALPRNMVIT CQGSDDIRKL LESQGRKDIK LIDIALSKTD SRKYENAVWD QYKDLCHMHT GVVVEKKRG GKKEITPHCA LMDCIMFDAA VSGGLNTSVL RAVLPRDMVF RTSTPRVVL
Organism	Lassa virus (strain Mouse/Sierra Leone/Josiah/1976) (LASV)
Tag Information	NO-tagged
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LASVsSgp1 recombinant protein	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 (By similarity).
Product Categories/Family for LASVsSgp1 recombinant protein	Microbiology
References	Nucleotide sequence of the Lassa virus (Josiah strain) S genome RNA and amino acid sequence comparison of the N and GPC proteins to other arenaviruses. Auperin D.D., McCormick J.B.Virology 168:421-425 (1989)

NCBI AND UNIPROT INFORMATION

NCBI GI #	23343510
NCBI GeneID	956584
NCBI Accession #	NP_694869.1
NCBI GenBank Nucleotide #	NC_004296.1
UniProt Accession #	P13699
Molecular Weight	63.0 kDa
NCBI Official Full Name	nucleoprotein
NCBI Official Symbol	LASVsSgp1
NCBI Protein Information	nucleoprotein
UniProt Protein Name	Nucleoprotein
UniProt Gene Name	N

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.