Non-Capsid Protein Ns-1 (NS1) Murine Minute Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Non-capsid protein NS-1 (NS1), Recombinant Protein
Full Product Name	Recombinant Murine minute virus Non-capsid protein NS-1 (NS1), partial
Product Gene Name	NS1 recombinant protein
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	76,249 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 P03134
Species	Murine minute virus (strain MVM prototype) (MVM) (Murine minute virus (strain MVM(p)))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NS1 recombinant protein	MBS1250813 is a recombinant protein targeting NS1. Also known as Recombinant Murine minute virus Non-capsid protein NS-1 (NS1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NS1 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 NS1. It may not necessarily be applicable to this product.

NCBI GI #	9626994
NCBI GeneID	1489590
NCBI Accession #	NP_041242.1
UniProt Primary Accession #	P03134
GenBank Nucleotide #	NC_001510.1
NCBI Official Full Name	nonstructural protein
NCBI Official Symbol	NS1
UniProt Protein Name	Non-structural protein NS1
Protein Family	Non-capsid protein
UniProt Gene Name	NS1

NCBI Protein Information	nonstructural protein
UniProt Comments for NS1	Multifunctional protein that plays an essential role in viral DNA replication. Inhibits the host cell cycle during the G1/S transition, the S-phase, and the G2/M transition. These arrests may provide essential cellular factors for viral DNA replication. Interacts specifically with the viral DNA origin of replication and plays a direct role in DNA replication. Participates in the transcriptional regulation of several promoters including the viral p38 promoter that regulates the expression of VP1 and VP2 transcripts. Promotes apoptosis in host cell.
Research Articles on NS1	**1.** NS1 N-terminal domain is for dsDNA binding, ssDNA binding and cleavage and nuclear localization.
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