Non-Structural Protein 1 (NS) Influenza A Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Non-structural protein 1 (NS), Recombinant Protein
Full Product Name	Recombinant Influenza A virus Non-structural protein 1 (NS)
Product Gene Name	NS recombinant protein
Product Synonym Gene Name	NS
Sequence	MDSNTVSSFQ VDCFLWHVRK RFADQELGDA PFLDRLRRDQ KSLRGRGNTL GLDIETATRA GKQIVERILE EESDEALKMP ASRYLTDMTL EEMSRDWFML MPKQKVAGSL CIKMDQAIMD KTIILKANFS VIFDRLETLI LLRAFTEEGA IVGEISPLPS LPGHTDEDVK NAIGVLIGGL EWNDNTVRVS ETIQRFAWRS SDEDGRLPLP PNQKRKMART IESKV
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	14,383 Da
Sequence Positions	1-225, Full length protein
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 Q6J871
Species	Influenza A virus (strain A/Chicken/Hong Kong/96.1/2002 H5N1 genotype Y)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NS recombinant protein	MBS1386345 is a recombinant protein targeting NS. Also known as Recombinant Influenza A virus Non-structural protein 1 (NS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NS 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 NS. It may not necessarily be applicable to this product.

NCBI GI #	81942127
NCBI Accession #	Q6J871.1
UniProt Primary Accession #	Q6J871
NCBI Official Full Name	Non-structural protein 1
UniProt Protein Name	Non-structural protein 1

UniProt Synonym Protein Names	NS1A
Protein Family	Nuclear export protein
UniProt Gene Name	NS
UniProt Synonym Gene Names	NS1
UniProt Comments for NS	Prevents the establishment of the cellular antiviral state by inhibiting TRIM25-mediated DDX58 ubiquitination, which normally triggers the antiviral transduction signal that leads to the activation of type I IFN genes by transcription factors IRF3 and IRF7. Prevents human EIF2AK2/PKR activation, either by binding double-strand RNA, or by interacting directly with EIF2AK2/PKR. This function may be important at the very beginning of the infection, when NS1 is mainly present in the cytoplasm. Also binds poly(A) and U6 snRNA.
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