Nuclear Export Protein (NS) Influenza A Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nuclear export protein (NS), Recombinant Protein
Full Product Name	Recombinant Influenza A virus Nuclear export protein (NS)
Product Gene Name	NS recombinant protein
Product Synonym Gene Name	NS
Sequence	MDSNTVSSFQ DILLRMSKMQ LGSSSEDLNG MITQFESLKL YRDSLGEAVM RMGDLHSLQN RNGKWREQLG QKFEEIRWLI EEVRHRLKTT ENSFEQITFM QALQLLFEVE QEIRTFSFQL I
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	26,839 Da
Sequence Positions	1-121, 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 Q910E4
Species	Influenza A virus (strain A/Hong Kong/1/1968 H3N2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NS recombinant protein	MBS1339017 is a recombinant protein targeting NS. Also known as Recombinant Influenza A virus Nuclear export protein (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 #	82032864
NCBI Accession #	Q910E4.1
UniProt Primary Accession #	Q910E4
UniProt Secondary Accession #	Q91M98
NCBI Official Full Name	Nuclear export protein
UniProt Protein Name	Nuclear export protein

UniProt Synonym Protein Names	Non-structural protein 2
Protein Family	Nuclear export protein
UniProt Gene Name	NS
UniProt Synonym Gene Names	NEP; NS2
UniProt Comments for NS	Mediates the nuclear export of encapsidated genomic RNAs (ribonucleoproteins, RNPs). Acts as an adapter between viral RNPs complexes and the nuclear export machinery of the cell. Possesses no intrinsic RNA-binding activity, but includes a C-terminal M1-binding domain. This domain is believed to allow recognition of RNPs bound to the protein M1. Since protein M1 is not available in large quantities before late stages of infection, such an indirect recognition mechanism probably ensures that genomic RNPs are not exported from the host nucleus until sufficient quantities of viral mRNA and progeny genomic RNA have been synthesized. Furthermore, the RNPs enter the host cytoplasm only when associated with the M1 protein that is necessary to guide them to the plasma membrane. May down-regulate viral RNA synthesis when overproduced.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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