Polymerase Basic Protein 2 (PB2) Influenza C Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polymerase basic protein 2 (PB2), Recombinant Protein
Full Product Name	Recombinant Influenza C virus Polymerase basic protein 2 (PB2), partial
Product Gene Name	PB2 recombinant protein
Product Synonym Gene Name	PB2
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	87,822 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 Q9IMP3
Species	Influenza C virus (strain C/Johannesburg/1/1966)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PB2 recombinant protein	MBS1283028 is a recombinant protein targeting PB2. Also known as Recombinant Influenza C virus Polymerase basic protein 2 (PB2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PB2 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 PB2. It may not necessarily be applicable to this product.

NCBI GI #	122064668
NCBI Accession #	Q9IMP3.2
UniProt Primary Accession #	Q9IMP3
NCBI Official Full Name	Polymerase basic protein 2
UniProt Protein Name	Polymerase basic protein 2
UniProt Synonym Protein Names	RNA-directed RNA polymerase subunit P3
Protein Family	Polymerase basic protein
UniProt Gene Name	PB2

UniProt Comments for PB2	Plays an essential role in transcription initiation and cap-stealing mechanism, in which cellular capped pre-mRNAs are used to generate primers for viral transcription. Recognizes and binds a wide range of cap structures of target pre-RNAs which are subsequently cleaved after 10-13 nucleotides by the viral protein PA. Plays a role in the initiation of the viral genome replication and modulates the activity of the ribonucleoprotein (RNP) complex.
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