Protein PB1-F2 (PB1) Influenza A Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein PB1-F2 (PB1), Recombinant Protein
Full Product Name	Recombinant Influenza A virus Protein PB1-F2 (PB1)
Product Gene Name	PB1 recombinant protein
Product Synonym Gene Name	PB1
Sequence	MEQEQDTPWI QSTGHINIQK RENGQQTLKL EHHNSIQLMD HCPKTMNRAV MLKQTVCWRQ WLFLRSPTPV SLKTHVLRRW KSFSKHGWTN
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	10,818 Da
Sequence Positions	1-90, 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 Q0A2D8
Species	Influenza A virus (strain A/Turkey/Ontario/7732/1966 H5N9)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PB1 recombinant protein	MBS1434546 is a recombinant protein targeting PB1. Also known as Recombinant Influenza A virus Protein PB1-F2 (PB1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PB1 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 PB1. It may not necessarily be applicable to this product.

NCBI GI #	123805575
NCBI Accession #	Q0A2D8.1
UniProt Primary Accession #	Q0A2D8
NCBI Official Full Name	Protein PB1-F2
UniProt Protein Name	Protein PB1-F2
Protein Family	RNA-directed RNA polymerase

UniProt Gene Name	PB1
UniProt Comments for PB1	Plays an important role in promoting lung pathology in both primary viral infection and secondary bacterial infection. Promotes alteration of mitochondrial morphology, dissipation of mitochondrial membrane potential, and cell death. Alternatively, inhibits the production of interferon in the infected cell at the level of host mitochondrial antiviral signaling MAVS. Its level of expression differs greatly depending on which cell type is infected, in a manner that is independent of the levels of expression of other viral proteins. Monocytic cells are more affected than epithelial cells. Seems to disable virus-infected monocytes or other host innate immune cells. During early stage of infection, predisposes the mitochondria to permeability transition through interaction with host SLC25A6/ANT3 and VDAC1. These proteins participate in the formation of the permeability transition pore complex (PTPC) responsible of the release of mitochondrial products that triggers apoptosis.
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