Polymerase Acidic Protein (PA) Influenza A Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polymerase acidic protein (PA), Recombinant Protein
Full Product Name	Recombinant Influenza A virus Polymerase acidic protein (PA), partial
Product Gene Name	PA recombinant protein
Product Synonym Gene Name	PA
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	29,390 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 Q2RCG9
Species	Influenza A virus (strain A/Memphis/4/1980 H3N2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PA recombinant protein	MBS1325980 is a recombinant protein targeting PA. Also known as Recombinant Influenza A virus Polymerase acidic protein (PA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PA 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 PA. It may not necessarily be applicable to this product.

NCBI GI #	123837355
NCBI Accession #	Q2RCG9.1
UniProt Primary Accession #	Q2RCG9
NCBI Official Full Name	Polymerase acidic protein
UniProt Protein Name	Polymerase acidic protein
UniProt Synonym Protein Names	RNA-directed RNA polymerase subunit P2
Protein Family	Protein
UniProt Gene Name	PA

UniProt Comments for PA	Plays an essential role in viral RNA transcription and replication by forming the heterotrimeric polymerase complex together with PB1 and PB2 subunits. The complex transcribes viral mRNAs by using a unique mechanism called cap-snatching. It consists in the hijacking and cleavage of host capped pre-mRNAs. These short capped RNAs are then used as primers for viral mRNAs. The PB2 subunit is responsible for the binding of the 5' cap of cellular pre-mRNAs which are subsequently cleaved after 10-13 nucleotides by the PA subunit that carries the endonuclease activity.
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