RNA-Directed RNA Polymerase Catalytic Subunit (PB1) Influenza C Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA-directed RNA polymerase catalytic subunit (PB1), Recombinant Protein
Full Product Name	Recombinant Influenza C virus RNA-directed RNA polymerase catalytic subunit (PB1), partial
Product Gene Name	PB1 recombinant protein
Product Synonym Gene Name	PB1
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	86,071 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 Q6I7C3
Species	Influenza C virus (strain C/Ann Arbor/1/1950)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PB1 recombinant protein	MBS1340778 is a recombinant protein targeting PB1. Also known as Recombinant Influenza C virus RNA-directed RNA polymerase catalytic subunit (PB1), partial. 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 #	52630352
NCBI GeneID	3077364
NCBI Accession #	YP_089653.1
UniProt Primary Accession #	Q6I7C3
UniProt Related Accession #	Q6I7C3
GenBank Nucleotide #	NC_006308.2
NCBI Official Full Name	polymerase 1
NCBI Official Symbol	PB1

UniProt Protein Name	RNA-directed RNA polymerase catalytic subunit
UniProt Synonym Protein Names	Polymerase basic protein 1
Protein Family	RNA-directed RNA polymerase
UniProt Gene Name	PB1
UniProt Synonym Gene Names	PB1
NCBI Protein Information	polymerase 1
UniProt Comments for PB1	RNA-dependent RNA polymerase which is responsible for replication and transcription of virus RNA segments. The transcription of viral mRNAs occurs by a unique mechanism called cap-snatching. 5' methylated caps of cellular mRNAs are cleaved after 10-13 nucleotides by PA. In turn, these short capped RNAs are used as primers by PB1 for transcription of viral mRNAs. During virus replication, PB1 initiates RNA synthesis and copy vRNA into complementary RNA (cRNA) which in turn serves as a template for the production of more vRNAs.
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