Putative Regulator of Ribonuclease Activity (Map_0181c) (MAP_0181c) Mycobacterium Paratuberculosis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative regulator of ribonuclease activity (MAP_0181c), Recombinant Protein
Full Product Name	Recombinant Mycobacterium paratuberculosis Putative regulator of ribonuclease activity (MAP_0181c)
Product Gene Name	MAP_0181c recombinant protein
Product Synonym Gene Name	MAP_0181c
Sequence	MTVSFRPTAD LVDDIGPDVR SCDLQFRQLG GRTEFAGPIS TVRCFQDNAL LKSVLSEPGG GGVLVVDGGG SLHTALVGDV IAELARANGW AGLIVNGAVR DSAALRGMDI GVKALGTNPR KSTKTGAGER DVDITLGGVT FTPGDIAYSD DDGIVVAVGD
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	16,342 Da
Sequence Positions	1-160, 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 Q745I2
Species	Mycobacterium paratuberculosis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MAP_0181c recombinant protein	MBS1326798 is a recombinant protein targeting MAP_0181c. Also known as Recombinant Mycobacterium paratuberculosis Putative regulator of ribonuclease activity (MAP_0181c). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MAP_0181c 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 MAP_0181c. It may not necessarily be applicable to this product.

NCBI GI #	489969043
NCBI Accession #	WP_003872287.1
UniProt Primary Accession #	Q745I2
GenBank Nucleotide #	WP_003872287.1

NCBI Official Full Name	ribonuclease
UniProt Protein Name	Putative 4-hydroxy-4-methyl-2-oxoglutarate aldolase
UniProt Synonym Protein Names	Oxaloacetate decarboxylase (EC:4.1.1.3); OAA decarboxylase; Regulator of ribonuclease activity homolog; RraA-like protein
UniProt Gene Name	MAP_0181c
UniProt Synonym Gene Names	HMG aldolase; OAA decarboxylase
UniProt Comments for MAP_0181c	Catalyzes the aldol cleavage of 4-hydroxy-4-methyl-2-oxoglutarate (HMG) into 2 molecules of pyruvate. Also contains a secondary oxaloacetate (OAA) decarboxylase activity due to the common pyruvate enolate transition state formed following C-C bond cleavage in the retro-aldol and decarboxylation reactions ().
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