Phthiocerol/Phenolphthiocerol Synthesis Polyketide Synthase Type I Ppsa (ppsA) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phthiocerol/phenolphthiocerol synthesis polyketide synthase type I PpsA (ppsA), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis Phthiocerol/phenolphthiocerol synthesis polyketide synthase type I PpsA (ppsA), partial
Product Gene Name	ppsA recombinant protein
Product Synonym Gene Name	ppsA
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	198,848 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 Q7TXM0
Species	Mycobacterium bovis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ppsA recombinant protein	MBS1387010 is a recombinant protein targeting ppsA. Also known as Recombinant Mycobacterium bovis Phthiocerol/phenolphthiocerol synthesis polyketide synthase type I PpsA (ppsA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ppsA 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 ppsA. It may not necessarily be applicable to this product.

NCBI GI #	31794108
NCBI GeneID	1092150
NCBI Accession #	NP_856601.1
UniProt Primary Accession #	Q7TXM0
UniProt Secondary Accession #	A0A1R3Y2S1; X2BM73
GenBank Nucleotide #	NC_002945.3
NCBI Official Full Name	phenolpthiocerol synthesis type-I polyketide synthase PPSA

UniProt Protein Name	Phthiocerol/phenolphthiocerol synthesis polyketide synthase type I PpsA
UniProt Synonym Protein Names	Beta-ketoacyl-acyl-carrier-protein synthase I (EC:2.3.1.41)
Protein Family	Phosphoenolpyruvate synthase
UniProt Gene Name	ppsA
UniProt Comments for ppsA	Involved in the elongation of either C22-24 fatty acids or p-hydroxyphenylalkanoic acids by the addition of malonyl-CoA and methylmalonyl-CoA extender units to yield phthiocerol and phenolphthiocerol derivatives, respectively.
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