Phthioceranic/Hydroxyphthioceranic Acid Synthase (pks2) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phthioceranic/hydroxyphthioceranic acid synthase (pks2), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis Phthioceranic/hydroxyphthioceranic acid synthase (pks2), partial
Product Gene Name	pks2 recombinant protein
Product Synonym Gene Name	pks2
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	225,776 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 Q7TVK8
Species	Mycobacterium bovis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pks2 recombinant protein	MBS1308454 is a recombinant protein targeting pks2. Also known as Recombinant Mycobacterium bovis Phthioceranic/hydroxyphthioceranic acid synthase (pks2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pks2 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 pks2. It may not necessarily be applicable to this product.

NCBI GI #	31794999
NCBI GeneID	1093831
NCBI Accession #	NP_857492.1
UniProt Primary Accession #	Q7TVK8
UniProt Secondary Accession #	A0A1R3Y5C6; X2BPD2
GenBank Nucleotide #	NC_002945.3
NCBI Official Full Name	polyketide synthase
UniProt Protein Name	Phthioceranic/hydroxyphthioceranic acid synthase

UniProt Synonym Protein Names	Polyketide synthase pks2
Protein Family	Inactive polyketide synthase
UniProt Gene Name	pks2
UniProt Comments for pks2	Catalyzes the synthesis of methyl phthioceranic acids and/or hydroxyphthioceranic acids that are the major acyl constituents of cell wall lipids.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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