Chorismate--Pyruvate Lyase (ML0133) Mycobacterium Leprae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chorismate--pyruvate lyase (ML0133), Recombinant Protein
Full Product Name	Recombinant Mycobacterium leprae Chorismate--pyruvate lyase (ML0133)
Product Gene Name	ML0133 recombinant protein
Product Synonym Gene Name	ML0133
Sequence	MTNRTLSREE IRKLDRDLRI LVATNGTLTR VLNVVANEEI VVDIINQQLL DVAPKIPELE NLKIGRILQR DILLKGQKSG ILFVAAESLI VIDLLPTAIT TYLTKTHHPI GEIMAASRIE TYKEDAQVWI GDLPCWLADY GYWDLPKRAV GRRYRIIAGG QPVIITTEYF LRSVFQDTPR EELDRCQYSN DIDTRSGDRF VLHGRVFKNL
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	24,045 Da
Sequence Positions	1-210, 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 Q9CD83
Species	Mycobacterium leprae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ML0133 recombinant protein	MBS1375291 is a recombinant protein targeting ML0133. Also known as Recombinant Mycobacterium leprae Chorismate--pyruvate lyase (ML0133). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ML0133 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 ML0133. It may not necessarily be applicable to this product.

NCBI GI #	15826964
NCBI GeneID	908439
NCBI Accession #	NP_301227.1
UniProt Primary Accession #	Q9CD83
UniProt Related Accession #	Q9CD83; CAC29641
GenBank Nucleotide #	NC_002677.1

NCBI Official Full Name	hypothetical protein ML0133
NCBI Official Symbol	ML0133
UniProt Protein Name	Chorismate pyruvate-lyase
UniProt Synonym Protein Names	4-HB synthase; p-hydroxybenzoic acid synthase
Protein Family	Chorismate pyruvate-lyase
UniProt Gene Name	ML0133
NCBI Protein Information	hypothetical protein
UniProt Comments for ML0133	Removes the pyruvyl group from chorismate to provide 4-hydroxybenzoate (4HB). Involved in the synthesis of glycosylated p-hydroxybenzoic acid methyl esters (p-HBADs) and phenolic glycolipids (PGL) that play important roles in the pathogenesis of mycobacterial infections ().
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