Trans-Acting Enoyl Reductase (MB2977) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Trans-acting enoyl reductase (Mb2977), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis Trans-acting enoyl reductase (Mb2977)
Product Gene Name	Mb2977 recombinant protein
Product Synonym Gene Name	Mb2977
Sequence	MSPAEREFDI VLYGATGFSG KLTAEHLAHS GSTARIALAG RSSERLRGVR MMLGPNAADW PLILADASQP LTLEAMAARA QVVLTTVGPY TRYGLPLVAA CAKAGTDYAD LTGELMFCRN SIDLYHKQAA DTGARIILAC GFDSIPSDLN VYQLYRRSVE DGTGELCDTD LVLRSFSQRW VSGGSVATYS EAMRTASSDP EARRLVTDPY TLTTDRGAEP ELGAQPDFLR RPGRDLAPEL AGFWTGGFVQ APFNTRIVRR SNALQEWAYG RRFRYSETMS LGKSMAAPIL AAAVTGTVAG TIGLGNKYFD RLPRRLVERV TPKPGTGPSR KTQERGHYTF ETYTTTTTGA RYRATFAHNV DAYKSTAVLL AQSGLALALD RDRLAELRGV LTPAAAMGDA LLARLPGAGV VMGTTRLS
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	45,104 Da
Sequence Positions	1-418, 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 Q7TXK2
Species	Mycobacterium bovis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Mb2977 recombinant protein	MBS1406674 is a recombinant protein targeting Mb2977. Also known as Recombinant Mycobacterium bovis Trans-acting enoyl reductase (Mb2977). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Mb2977 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 Mb2977. It may not necessarily be applicable to this product.

NCBI GI #	31794129
NCBI GeneID	1092128
NCBI Accession #	NP_856622.1
UniProt Primary Accession #	Q7TXK2

UniProt Secondary Accession #	A0A1R3Y2N7; X2BM75
GenBank Nucleotide #	NC_002945.3
NCBI Official Full Name	hypothetical protein Mb2977
UniProt Protein Name	Trans-acting enoyl reductase
UniProt Gene Name	BQ2027_MB2977
UniProt Comments for Mb2977	Involved in the reduction of the double bond between C-4 and C-5 during phthiocerol dimycocerosates (DIM A) and glycosylated phenolphthiocerol dimycocerosates (PGL) biosynthesis.
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