Trehalose-Phosphate Phosphatase (otsB) Mycobacterium Bovis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Trehalose-phosphate phosphatase (otsB), Recombinant Protein
Full Product Name	Recombinant Mycobacterium bovis Trehalose-phosphate phosphatase (otsB)
Product Gene Name	otsB recombinant protein
Product Synonym Gene Name	otsB
Sequence	MRKLGPVTID PRRHDAVLFD TTLDATQELV RQLQEVGVGT GVFGSGLDVP IVAAGRLAVR PGRCVVVSAH SAGVTAARES GFALIIGVDR TGCRDALRRD GADTVVTDLS EVSVRTGDRR MSQLPDALQA LGLADGLVAR QPAVFFDFDG TLSDIVEDPD AAWLAPGALE ALQKLAARCP IAVLSGRDLA DVTQRVGLPG IWYAGSHGFE LTAPDGTHHQ NDAAAAAIPV LKQAAAELRQ QLGPFPGVVV EHKRFGVAVH YRNAARDRVG EVAAAVRTAE QRHALRVTTG REVIELRPDV DWDKGKTLLW VLDHLPHSGS APLVPIYLGD DITDEDAFDV VGPHGVPIVV RHTDDGDRAT AALFALDSPA RVAEFTDRLA RQLREAPLRA T
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	41,720 Da
Sequence Positions	1-391, 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 Q7TWL7
Species	Mycobacterium bovis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for otsB recombinant protein	MBS1283279 is a recombinant protein targeting otsB. Also known as Recombinant Mycobacterium bovis Trehalose-phosphate phosphatase (otsB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of otsB 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 otsB. It may not necessarily be applicable to this product.

NCBI GI #	31794555
NCBI GeneID	1090943
NCBI Accession #	NP_857048.1
UniProt Primary Accession #	Q7TWL7

UniProt Secondary Accession #	A0A1R3Y4Q0; X2BNA0
GenBank Nucleotide #	NC_002945.3
NCBI Official Full Name	trehalose 6-phosphate phosphatase
UniProt Protein Name	Trehalose-phosphate phosphatase
UniProt Synonym Protein Names	Trehalose-6-phosphate phosphatase
Protein Family	Probable trehalose-phosphate phosphatase
UniProt Gene Name	otsB
UniProt Synonym Gene Names	TPP
UniProt Comments for otsB	Removes the phosphate from trehalose 6-phosphate to produce free trehalose.
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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