Threonine Synthase (thrC) Mycobacterium Leprae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Threonine synthase (thrC), Recombinant Protein
Full Product Name	Recombinant Mycobacterium leprae Threonine synthase (thrC)
Product Gene Name	thrC recombinant protein
Sequence	MSGQQTTTHQ PWPGVIAAYR DRLPVGDDWT PVTLLEGGTP LIAAPRLSEQ TGCTIHLKVE GLNPTGSFKD RGMTMAVTDA LARGQRAVLC ASTGNTSASA AAYAARAGIT CAVLIPQGKI AMGKLAQAVM HGAKIIQIDG NFDDCLELAR KMAADFPMIS LVNSVNPVRI EGQKTAVFEI VDALGTAPHV HALPVGNAGN ITAYWKGYTE YHADGLIDRL PRMLGTQAAG AAPLVLGEPV SHPETIATAI RIGSPASWTS AVEAQQQSKG RFLAATDEEI LAAYHLVARA EGVFVEPASA ASIAGLLKAI DGGWVARGST VVCTITGNGL KDPDTALKDM PSVSPVPVDA VAVVEQLGLV
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	37,385 Da
Sequence Positions	1-360, 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 P45837
Species	Mycobacterium leprae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for thrC recombinant protein	MBS1123254 is a recombinant protein targeting thrC. Also known as Recombinant Mycobacterium leprae Threonine synthase (thrC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of thrC 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 thrC. It may not necessarily be applicable to this product.

NCBI GI #	15827561
NCBI GeneID	910224
NCBI Accession #	NP_301824.1
UniProt Primary Accession #	P45837
UniProt Related Accession #	P45837; CAC31511

GenBank Nucleotide #	NC_002677.1
NCBI Official Full Name	threonine synthase
NCBI Official Symbol	thrC
UniProt Protein Name	Threonine synthase
Protein Family	Threonine synthase
UniProt Gene Name	thrC
UniProt Synonym Gene Names	TS
NCBI Protein Information	threonine synthase
UniProt Comments for thrC	Catalyzes the gamma-elimination of phosphate from L-phosphohomoserine and the beta-addition of water to produce L-threonine.
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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