Low Molecular Weight Antigen MTB12 Homolog (mtb12) Mycobacterium Leprae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Low molecular weight antigen MTB12 homolog (mtb12), Recombinant Protein
Full Product Name	Recombinant Mycobacterium leprae Low molecular weight antigen MTB12 homolog (mtb12)
Product Gene Name	mtb12 recombinant protein
Product Synonym Gene Name	mtb12
Sequence	LTSMAIPTGP AASHIQPVAF GVPLPQDPAP AADVPTAAEL TSLLNKIVDP DVSFMHKSQL VEGGIGSAEA HIGDRELKNA AQKGELPLLF SVTNIRPGTS GSATADVSVS GPKLNPPVTQ NITFINKGSW VLSRHSAMEL LQAAGR
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	17,131 Da
Sequence Positions	22-167, 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 Q49771
Species	Mycobacterium leprae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtb12 recombinant protein	MBS1387158 is a recombinant protein targeting mtb12. Also known as Recombinant Mycobacterium leprae Low molecular weight antigen MTB12 homolog (mtb12). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mtb12 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 mtb12. It may not necessarily be applicable to this product.

NCBI GI #	15827253
NCBI GeneID	910360
NCBI Accession #	NP_301516.1
UniProt Primary Accession #	Q49771
UniProt Related Accession #	Q49771; CAC30128

GenBank Nucleotide #	NC_002677.1
NCBI Official Full Name	hypothetical protein ML0620
NCBI Official Symbol	mtb12
UniProt Protein Name	Low molecular weight antigen MTB12 homolog
Protein Family	Low molecular weight antige
UniProt Gene Name	mtb12
NCBI Protein Information	hypothetical protein
UniProt Comments for mtb12	Enzyme and pathway databasesBioCyc Collection of Pathway/Genome DatabasesMore...BioCyciMLEP272631:G1GT5-680-MONOMER.
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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