Dihydrolipoyl Dehydrogenase (lpd) Mycobacterium Leprae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydrolipoyl dehydrogenase (lpd), Recombinant Protein
Full Product Name	Recombinant Mycobacterium leprae Dihydrolipoyl dehydrogenase (lpd)
Product Gene Name	lpd recombinant protein
Product Synonym Gene Name	lpd
Sequence	MTHYDVVVLG AGPGGYVAAI RAAQLGLSTA VVEPKYWGGI CLNVGCIPSK VLLHNAELAH IFTKEAKTFG ISGDASFDYG IAYDRSRKVS EGRVAGVHFL MKKNKITEIH GYGRFTDANT LSVELSEGVP ETPLKVTFNN VIIATGSKTR LVPGTLLSTN VITYEEQILT RELPDSIVIV GAGAIGIEFG YVLKNYGVDV TIVEFLPRAM PNEDAEVSKE IEKQFKKMGI KILTGTKVES ISDNGSHVLV AVSKDGQFQE LKADKVLQAI GFAPNVDGYG LDKVGVALTA DKAVDIDDYM QTNVSHIYAI GDVTGKLQLA HVAEAQGVVA AEAIAGAETL ALSDYRMMPR ATFCQPNVAS FGLTEQQARD GGYDVVVAKF PFTANAKAHG MGDPSGFVKL VADAKYGELL GGHMIGHNVS ELLPELTLAQ KWDLTATELV RNVHTHPTLS EALQECFHGL IGHMINF
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	50,077 Da
Sequence Positions	1-467, 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 Q50068
Species	Mycobacterium leprae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lpd recombinant protein	MBS1328061 is a recombinant protein targeting lpd. Also known as Recombinant Mycobacterium leprae Dihydrolipoyl dehydrogenase (lpd). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lpd 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 lpd. It may not necessarily be applicable to this product.

NCBI GI #	15828281
NCBI GeneID	908174
NCBI Accession #	NP_302544.1
UniProt Primary Accession #	Q50068

UniProt Related Accession #	Q50068; CAC31903
GenBank Nucleotide #	NC_002677.1
NCBI Official Full Name	dihydrolipoamide dehydrogenase
NCBI Official Symbol	lpd
UniProt Protein Name	Dihydrolipoyl dehydrogenase
UniProt Synonym Protein Names	Dihydrolipoamide dehydrogenase; E3 component of alpha-ketoacid dehydrogenase complexes
UniProt Gene Name	lpd
NCBI Protein Information	dihydrolipoamide dehydrogenase
UniProt Comments for lpd	Lipoamide dehydrogenase is a component of the alpha-ketoacid dehydrogenase complexes. Catalyzes the reoxidation of dihydrolipoyl groups which are covalently attached to the lipoate acyltransferase components (E2) of the complexes ().
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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