D-Lactate Dehydrogenase (ldhD) Streptococcus Pyogenes Serotype M1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-lactate dehydrogenase (ldhD), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M1 D-lactate dehydrogenase (ldhD)
Product Gene Name	ldhD recombinant protein
Product Synonym Gene Name	ldhD
Sequence	MKLKLYNVRG EEAVLAKKWA DDNGIEISLT ESPLTPETVK EAEGFDGIAN AQIGPLDDAI YPLLKEMGIK QIAQHSASVD MYNLDLATEN DIIITNVPSY SPESIAEFTV TIVLNLIRHV ELIRENVKKQ NFTWGLPIRG RVLGDMTVAI IGTGRIGLAT AKIFKGFGCK VVGYDIYQSD AAKAVLDYKE SVEEAIKDAD LVSLHMPPTA ENTHLFNSDL FKSFKKGAIL MNMARGAVIE TQDLLDALDA GLLSGAGIDT YEFEGPYIPK NFEGQEITDS LFKALINHPK VIYTPHAAYY TDEAVKNLVE GALNATVEII KTGTTTTRVN
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	36,126 Da
Sequence Positions	1-330, 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 Q99ZM2
Species	Streptococcus pyogenes serotype M1
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ldhD recombinant protein	MBS1380060 is a recombinant protein targeting ldhD. Also known as Recombinant Streptococcus pyogenes serotype M1 D-lactate dehydrogenase (ldhD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ldhD 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 ldhD. It may not necessarily be applicable to this product.

NCBI GI #	15675142
NCBI GeneID	901282
NCBI Accession #	NP_269316.1
UniProt Primary Accession #	Q99ZM2

UniProt Secondary Accession #	Q48YR4
GenBank Nucleotide #	NC_002737.2
NCBI Official Full Name	putative D-specific D-2-hydroxyacid dehydrogenase
NCBI Official Symbol	ddh
UniProt Protein Name	D-lactate dehydrogenase
UniProt Synonym Protein Names	D-specific 2-hydroxyacid dehydrogenase
Protein Family	Probable D-lactate dehydrogenase
UniProt Gene Name	ldhD
UniProt Synonym Gene Names	ddh; D-LDH
NCBI Protein Information	putative D-specific D-2-hydroxyacid dehydrogenase
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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