L-Lactate Dehydrogenase [Cytochrome] (lldD) Shigella Flexneri Serotype 5b Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-lactate dehydrogenase [cytochrome] (lldD), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri serotype 5b L-lactate dehydrogenase [cytochrome] (lldD)
Product Gene Name	lldD recombinant protein
Product Synonym Gene Name	lldD
Sequence	MIISAASDYR AAAQRILPPF LFHYMDGGAY SEYTLRRNVE DLSEVALRQR ILKNMSDLSL ETTLFNEKLS MPVALAPVGL CGMYARRGEV QAAKAADAHG IPFTLSTVSV CPIEEVAPAI KRPMWFQLYV LRDRGFMRNA LERAKAAGCS TLVFTVDMPT PGARYRDAHS GMSGPNAAMR RYLQAVTHPQ WAWDVGLNGR PHDLGNISAY LGKPTGLEDY IGWLGNNFDP SISWKDLEWI RDFWDGPMVI KGILDPEDAR DAVRFGADGI VVSNHGGRQL DGVLSSARAL PAIADAVKGD IAILADSGIR NGLDVVRMIA LGADTVLLGR AFLYALATAG QAGVANLLNL IEKEMKVAMT LTGAKSISEI TQDSLVQGLG KELPTALAPM AKGNAA
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	42,758 Da
Sequence Positions	1-396, 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 Q0SYD1
Species	Shigella flexneri serotype 5b (strain 8401)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lldD recombinant protein	MBS1393814 is a recombinant protein targeting lldD. Also known as Recombinant Shigella flexneri serotype 5b L-lactate dehydrogenase [cytochrome] (lldD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lldD 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 lldD. It may not necessarily be applicable to this product.

NCBI GI #	446509436
NCBI Accession #	WP_000586964.1
UniProt Primary Accession #	Q0SYD1

GenBank Nucleotide #	WP_000586964.1
NCBI Official Full Name	MULTISPECIES: alpha-hydroxy-acid oxidizing enzyme
UniProt Protein Name	L-lactate dehydrogenase
Protein Family	L-lactate dehydrogenase
UniProt Gene Name	lldD
UniProt Comments for lldD	Catalyzes the conversion of L-lactate to pyruvate. Is coupled to the respiratory chain.
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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