L-Lactate Dehydrogenase [Cytochrome] (lldD) Salmonella Typhi Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-lactate dehydrogenase [cytochrome] (lldD), Recombinant Protein
Full Product Name	Recombinant Salmonella typhi L-lactate dehydrogenase [cytochrome] (lldD)
Product Gene Name	lldD recombinant protein
Product Synonym Gene Name	lldD
Sequence	MIISATSDYR AAAQRTLPPF LFHYIDGGAY AEYTLRRNVE DLSQVALRQR VLKNMSDLSL ETTLFNETLS MPVALAPVGL CGMYARRGEV QAAAAADAKG IPFTLSTVSV CPIEEVAPTL KRPMWFQLYV LRDRGFMRNA LERAKAAGCS TLVFTVDMPT PGARYRDAHS GMSGPNAAMR RYWQAVMHPK WAWDVGLNGR PHDLGNISAY LGKPTGLEDY IGWLANNFDP SISWKDLEWI REFWDGPMVI KGILDPEDAR DAVRFGADGI VVSNHGGRQL DGVLSSARAL PAIADAVKGD IAILADSGIR NGLDVVRMIA LGADTVLLGR AYLYALATAG KTGVANLLDL IEKEMKVAMT LTGAKSISEI SGDSLVQELG KSLPAALAPM SKGDAA
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	42,774 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 Q8Z2E5
Species	Salmonella typhi
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lldD recombinant protein	MBS1437917 is a recombinant protein targeting lldD. Also known as Recombinant Salmonella typhi 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 #	16762615
NCBI GeneID	1250331
NCBI Accession #	NP_458232.1
UniProt Primary Accession #	Q8Z2E5

UniProt Secondary Accession #	Q7C661
GenBank Nucleotide #	NC_003198.1
NCBI Official Full Name	L-lactate dehydrogenase
NCBI Official Symbol	STY4102
NCBI Official Synonym Symbols	lctD; lldD
UniProt Protein Name	L-lactate dehydrogenase
Protein Family	L-lactate dehydrogenase
UniProt Gene Name	lldD
NCBI Protein Information	L-lactate dehydrogenase
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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