LDHB Recombinant Protein

PRODUCT OVERVIEW

Product Name	LDHB, Recombinant Protein
Full Product Name	Purified recombinant LDHB protein
Product Gene Name	LDHB recombinant protein
Product Synonym Names	LDHB protein
Host	Human
Form/Format	Supplied in liquid form in 20mM Tris-Hcl, 0.5MNaCl, 10% glycerin (pH 8.0) and 200 mM Imidazole
Purity/Purification	> 90% pure
Preparation and Storage	Store at 4 degree C in a working aliquot for 1 week. For long term storage, aliquot and freeze at -20 to -80 degree C, avoid repeat freeze/thaw cycles.
Molecular Weight	36,638 Da
3D Structure	ModBase 3D Structure for P07195
Expression	E Coli
Applications Tested/Suitable for LDHB recombinant protein	ELISA (EIA), SDS-PAGE, Western Blot (WB)
Related Product Information for LDHB recombinant protein	MBS5308794 is a recombinant protein targeting LDHB. Also known as Purified recombinant LDHB protein. Host: Human.
Other Notes	Small volumes of LDHB 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 LDHB. It may not necessarily be applicable to this product.

NCBI GI #	291575128
NCBI GeneID	3945
NCBI Accession #	NP_001167568.1
UniProt Primary Accession #	P07195
UniProt Related Accession #	P07195
GenBank Nucleotide #	NM_001174097.2
NCBI Official Full Name	L-lactate dehydrogenase B chain isoform LDHB
NCBI Official Synonym Full Names	lactate dehydrogenase B
NCBI Official Symbol	LDHB
NCBI Official Synonym Symbols	LDH-B; LDH-H; LDHBD; TRG-5; HEL-S-281
UniProt Protein Name	L-lactate dehydrogenase B chain
UniProt Synonym Protein Names	LDH heart subunit; LDH-H; Renal carcinoma antigen NY-REN-46

Protein Family	L-lactate dehydrogenase
UniProt Gene Name	LDHB
UniProt Synonym Gene Names	LDH-B; LDH-H
NCBI Protein Information	L-lactate dehydrogenase B chain
NCBI Summary for LDHB	This gene encodes the B subunit of lactate dehydrogenase enzyme, which catalyzes the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD+ in a post-glycolysis process. Alternatively spliced transcript variants have been found for this gene. Recent studies have shown that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is localized in the peroxisomes. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on chromosomes X, 5 and 13. [provided by RefSeq, Feb 2016]
Research Articles on LDHB	**1.** our study examines the inclusion of salivary LDH as potential diagnostic parameter and therapeutic index in Oral squamous cell carcinoma
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