

Recombinant Human LDHD, GST-tagged

Cat. No. LDHD-260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LDHD(1 a.a. - 507 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. The similar protein in yeast has both D-lactate and D-glycerate dehydrogenase activities. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.
Molecular Mass	81.3 kDa
AA Sequence	MARLLRSATWELFPWRGYCSQKAKGELCRDFVEALKAVVGGSHVSTAADVREQHG RDESVHRCEPPDAVWPQNV EQVSRLAALCYRQGVPIIPFGTGTGLEGGVCAVQG GVCVNLTHMDRILELNQEDFSVVVEPGVTRKALNAHLRDS GLWFPVDPGADASLC GMAATGASGTNAVRYGTMRDNLNLEVLPDGRLLHTAGRGRHFRFGFWPEIPHH TAWYS PCVSLGRRKSAAGYNLTGLFVGSEGLGLITATTLRLHPAPEATVAATCAFP SVQAAVDSTVHILQAAVPVARIE FLDEVMMDACNRYSKLNCLVAPTLFLEFHGSQQ ALEEQLQRTEEIVQQNGASDFSWAKEAEERSRLWTARHNAWY AALATRPGCKGY STDVCVPISRLPEIVVQTKEDLNASGLTGSIVGHVGDGNFHCILLVNPDDAEELGRVK AFAEQ LGRRALALHGTCTGEHGIGMGKRQLLQEEVGAVGVETMRQLKAVLDPQGL MNPGKVL

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Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	LDHD lactate dehydrogenase D [Homo sapiens (human)]
Official Symbol	LDHD
Synonyms	LDHD; lactate dehydrogenase D; probable D-lactate dehydrogenase, mitochondrial; D-lactate dehydrogenase; DLD; MGC57726; NP_705690.2; EC 1.1.2.4; NP_919417.1
Gene ID	197257
mRNA Refseq	NM_153486
Protein Refseq	NP_705690
MIM	607490
UniProt ID	Q86WU2
Chromosome Location	16q23.1
Pathway	Metabolism of proteins; Mitochondrial protein import; Pyruvate metabolism;

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methylglyoxal degradation I

Function

D-lactate dehydrogenase (cytochrome) activity; UDP-N-acetylmuramate dehydrogenase activity; flavin adenine dinucleotide binding

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