

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	MARLLRSATWELFPWRGYCSQKAKGELCRDFVEALKAVVGGSHVSTA AAVVREQHG RDESVHRCEPPDAVWPQNV EQVSRLAALCYRQGVPIIPFGTGTGLEGGVCAVQG GVCVNLTHMDRILELNQEDFSVVVEPGVTRKALNAHLRDS GLWFPVDPGADASLC GMAATGASGTNAVRYGTMRDNVLNLEVLPDGRLLHTAGRGRHFRFGFWPEIPHH TAWYS PCVSLGRRKSAAGYNLTGLFVGSEGLTGLITATTLRLHPAPEATVAATCAFP SVQAAVDSTVHILQAAVPVARIE FLDEVMMDACNRYSKLNCLVAPTLFLEFHGSQQ ALEEQLQRTEEIVQQNGASDFSWAKEAEERSRLWTARHNAWY AALATRPGCKGY STDVCVPISRLPEIVVQTKEDLNASGLTGSIVGHVGDGNFHCILLVNPDDAEELGRVK AFAEQ LGRRALALHGTCTGEHGIGMGKRQLLQEEVGAVGVETMRQLKAVLDPQGL MNP GKVL

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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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