

Recombinant Human LDHC Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. LDHC-295H Lot. No. (See product label)

SPECIFICATION

Product Overview

LDHC MS Standard C13 and N15-labeled recombinant protein (NP_002292) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

Lactate dehydrogenase C catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. LDHC is testis-specific and belongs to the lactate dehydrogenase family. Two transcript variants have been detected which differ in the 5' untranslated region. [provided by RefSeq, Jul 2008]

Molecular Mass

36.1 kDa

AA Sequence

MSTVKEQLIEKLIEDDENSQCKITIVGTGAVGMACAISILLKDLADELALVDVALDKLKG
EMMDLQHGSLFFSTSKITSGKDYSVSANSRIVIVTAGARQQEGETRLALVQRNVAIM
KSIIPAIVHYS PDCKILVVS NPVDILTYIVWKISGLPVTRVIGSGCNLDSARFRYLIGEKL
GVHPTSCHGWII GEHGDSSVPLWSGVNVAGVALKTLDPKLGTDSDKEHWKNIHKQV
IQSAYEIIKLG YTSWAIGLSVMDLVGSILKNLRRVHPVSTMVKGLYGIKEELFLSIPCV
LGRNGVSDVVKINLNSEEEALFKKSAETLWNIQKDLIFTRTRPLEQKLISEEDLAANDI
LDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	LDHC lactate dehydrogenase C [Homo sapiens (human)]
Official Symbol	LDHC
Synonyms	LDHC; lactate dehydrogenase C; L-lactate dehydrogenase C chain; cancer/testis antigen 32; CT32; LDH-C; LDH-X; LDH testis subunit; lactate dehydrogenase C4; lactate dehydrogenase c variant 1; lactate dehydrogenase c variant 3; lactate dehydrogenase c variant 4; LDH3; LDHX; MGC111073;
Gene ID	3948
mRNA Refseq	NM_002301
Protein Refseq	NP_002292
MIM	150150
UniProt ID	P07864

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