

Product datasheet for **TP309516L**

Lactate Dehydrogenase C (LDHC) (NM_002301) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human lactate dehydrogenase C (LDHC), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209516 representing NM_002301 Red=Cloning site Green=Tags(s)

MSTVKEQLIEKLIEDDENSQCKITIVGTGAVGMACAISILLKDLADELALVDVALDKLKGEMMDLQHGSL
FFSTSKITSGKDYSVSANSRIVIVTAGARQQEGETRLALVQRNVAIMKSIIPAIVHYSYDCKILVSNPV
DILTYIWWKISGLPVTRVIGSGCNLDSARFRYLIGELKGVHPTSCHGWIIEHGDSSVPLWVGNNVAGVA
LKTLDPKLGTDSKKEHWKNIHKQVIQSAYEIIKLGYSWAIGLSVMDLVGSILKNLRRVHPVSTMVKGL
YGIKEELFLSIPCVLGRNGVSDVWKINLNSEEEALFKKSAETLWNIQKDLIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	36.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002292
Locus ID:	3948



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UniProt ID: [P07864](#), [A0A140VKA7](#)

RefSeq Size: 1278

Cytogenetics: 11p15.1

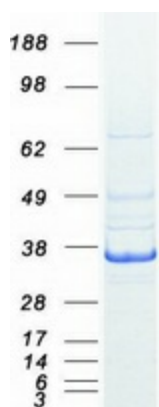
RefSeq ORF: 996

Synonyms: CT32; LDH3; LDHX

Summary: 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]

Protein Pathways: Cysteine and methionine metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism

Product images:



Coomassie blue staining of purified LDHC protein (Cat# [TP309516]). The protein was produced from HEK293T cells transfected with LDHC cDNA clone (Cat# [RC209516]) using MegaTran 2.0 (Cat# [TT210002]).