

Human recombinant protein LDHB
Human Recombinant LDHB
Catalog # PBV10611r**Specification**

Human recombinant protein LDHB - Product info

Primary Accession	P07195
Concentration	1
Calculated MW	38.8 kDa (354 aa, 1-334 aa + NT His-Tag) KDa

Human recombinant protein LDHB - Additional Info

Gene ID	3945
Gene Symbol	LDHB

Other Names

L-lactate dehydrogenase B chain, LDH-H, TRG-5.

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>6 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MATLKEKLIAPVAEEETVP NNKITVVGVG QVGMACAISILGKSLADELA LVDVLEDKLGEMMDLQHGS LFLQTPKIVA DKDYSVTANS KIVVVTAGVR QQEGESRLNL VQRNVNVFKF IIPQIVKYSP DCIIIVVSNP VDILTYVTWK LSGLPKHRVI GSGCNLDSAR FRYLMAEKLGIHPSSCHGWI LGEHGDSSVA VWSGVNVAGV SLQELNPEMG TDNDSSENWKE VHKMVVESAY EVIKLKGYTN WAIGLSVADL IESMLKNLSR IHPVSTMVKG MYGIENEVFL SLPCILNARG LTSVINQKLK DDEVAQLKKS ADTLWDIQKD LKDL

Format

Liquid

Storage

-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT and 10% glycerol.

Human recombinant protein LDHB - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein LDHB - Images

Human recombinant protein LDHB - Background

LDHB is part of the lactate dehydrogenase family. LDHB is an oxidoreductase which catalyses the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD⁺. LDHB catalyzes the oxidation of hydroxybutyrate, and frequently called Hydroxybutyrate Dehydrogenase (HBD). The LDH family consists of three members, LDH-A, LDH-B and LDH-C. LDHs function as powerful markers for germ cell tumors.

Human recombinant protein LDHB - References

Takeno T., et al. Biochem. J. 257:921-924(1989).
Sakai I., et al. Biochem. J. 248:933-936(1987).
Bienvenut W.V., et al. Submitted (MAY-2005) to UniProtKB.
Lubec G., et al. Submitted (DEC-2008) to UniProtKB.
Scanlan M.J., et al. Int. J. Cancer 83:456-464(1999).