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32-6832: LDHB Human

Application :	Functional Assay
Alternative Name :	Lactate Dehydrogenase B, Renal Carcinoma Antigen NY-REN-46, LDH Heart Subunit, EC 1.1.1.27, LDH-B, LDH-H, Epididymis Secretory Protein Li 281, Testicular Secretory Protein Li 25, Lactate Dehydrogenase H Chain, HEL-S-281, EC 1.1.1 , LDHBD, TRG-5.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
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.
LDHB Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 334 amino acids (1-334) and having a molecular mass of 36.6kDa.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The LDHB solution (1mg/ml) contains 20mM Tris-HCl (pH 8.0), 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MATLKEKLIA PVAEEEATVP NNKITVVGVG QVGMACAISI LGKSLADELA LVDVLEDKLK GEMMDLQHGS LFLQTPKIVA DKDYSVTANS KIVVVTAGVR QQEGESRLNL VQRNVNVFKF IIPQIVKYSP DCIIIVVSNP VDILTYVTWK LSGLPKHRVI GSGCNLDSAR FRYLMAEKLG IHPSSCHGWI LGEHGDSSVA VWSGVNVAGV SLQELNPEMG TDNDSENWKE VHKMVVESAY EVIKLKGYTN WAIGLSVADL IESMLKNLSR IHPVSTMVKG MYGIENEVFL SLPCILNARG LTSVINQKLK DDEVAQLKKS ADTLWDIQKD LKDL.

Application Note

Specific activity is >300 units/mg, in which 1 unit will convert 1.0 umole of pyruvate to L-lactate and beta-NAD per min at pH 7.5 at 37Ã□Â°.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.