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32-6830: LDHA Rat

Alternative Name : L-lactate dehydrogenase A chain, LDH-A, LDH muscle subunit, LDH-M.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
LDHA catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. LDHA is localized primarily in muscle tissue and is part of the lactate dehydrogenase family. Mutations in LDHA have been linked to exertional myoglobinuria. LDH1 is decreased in essential thrombocythemia. LDHA is induced through a non-genomic pathway of estrogen action. Reduction in LDH-A activity results in stimulation of mitochondrial respiration and decrease of mitochondrial membrane potential.
LDHA Rat Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 340 amino acids (1-332 a.a) and having a molecular mass of 37.5kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).Â

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	LDHA protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4), 1mM DTT and 20% glycerol.
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 :	MAALKDQLIV NLLKEEQVPQ NKITVVGVGA VGMACAISIL MKDLADELAL VDVIEDKLKG EMMDLQHGSL FLKTPKIVSS KDYSVTANSK LVIITAGARQ QEGESRLNLV QRNVNIFKFI IPNVVKYSPQ CKLLIVSNPV DILTYVAWKI SGFPKNRVIG SGCNLDSARF RYLMGERLGV HPLSCHGWVL GEHGDSSVPV WSGVNVAGVS LKSLNPQLGT DADKEQWKDV HKQVVDSAYE VIKLKGYTSW AIGLSVADLA ESIMKNLRRV HPISTMIKGL YGIKEDVFLS VPCILGQNGI SDVVKVTLTP DEEARLKKSA DTLWGIQKEL QFLEHHHHHH.

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