

Lactate Dehydrogenase B Active Protein | LDHB active protein

Recombinant Lactate Dehydrogenase B

CATALOG #
AAA38250

HOST
E Coli

PRODUCT SYNONYMS

Lactate Dehydrogenase B; Recombinant Lactate Dehydrogenase B; LDHB; Lactate Dehydrogenase B Recombinant; Lactate Dehydrogenase; LDH; LDHB active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein (1 mg/ml) was lyophilized with 0.1mg potassium phosphate. Sterile lyophilized powder.
Sequence Length	134
Unit Defenition	One unit is defined as 1umol of NAD ⁺ production per minute under the assay conditions (25 degree C, pH 7.0). Both transaminase activities include a-hydroxyglutarate dehydrogenase activity.
Solubility	It is recommended to reconstitute the lyophilized LDH in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The specific activity was found to be 258 U/mg protein.
Preparation and Storage	Lyophilized Lactate Dehydrogenase although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution LDH should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for LDHB active protein	Description: The DNA encoding chicken LDH-B is cloned from cDNA library of chicken heart. Introduction: Lactate dehydrogenase (LDH) is an enzyme(EC1.1.1.27) present in a wide variety of organisms, including plants and animals.A tetrameric enzyme that catalyses the interconversion of pyruvateand lactate with concomitant interconversion of NADH and NAD⁺. At high concentrations of pyruvate, the enzyme exhibits feedback inhibition and the rate of conversion of pyruvate to lactate is decreased. In vertebrates, genes for three different subunits (LDH-A, LDH-B and LDH-C) exist.
Product Categories/Family for LDHB active protein	Enzymes ; Dehydrogenase

NCBI AND UNIPROT INFORMATION

NCBI GI #	149650
Molecular Weight	34,192 Da
NCBI Official Full Name	ldh, partial
UniProt Protein Name	L-lactate dehydrogenase 1
UniProt Gene Name	ldh1

UniProt Synonym Gene Names	ldh; L-LDH 1
UniProt Entry Name	LDH1_LISMO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/e-coli-ldhb-active-protein/lactate-dehydrogenase-b/38250>