

## Recombinant **Human** LDH-B (N-6His)

Catalog No: C236

<b>Description</b>	Recombinant Human L-Lactate Dehydrogenase B Chain is produced by our E.coli expression system and the target gene encoding Met1-Leu334 is expressed with a 6His tag at the N-terminus.
<b>Expression System</b>	E.coli
<b>Alternative name</b>	Mannose-Binding Protein C; MBP-C; Collectin-1; MBP1; Mannan-Binding Protein; Mannose-Binding Lectin; MBL2; COLEC1; MBL
<b>Accession No.</b>	P07195
<b>Predicted Molecular Weight</b>	38.8kDa
<b>Apparent Molecular Weight</b>	37kDa, reducing conditions.
<b>Quality Control</b>	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice or ice pack. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Background</b>	L-Lactate Dehydrogenase B Chain (LDH-B) is a member of the lactate dehydrogenase family that consists of three members, LDH-A, LDH-B and LDH-C; members of this family function as powerful markers for germ cell tumors. LDH-B is an oxidoreductase that catalyzes the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD <sup>+</sup> . It converts pyruvate to lactate when oxygen is absent or in short supply and it performs the reverse reaction during the Cori cycle in the liver. It is also called Hydroxybutyrate Dehydrogenase (HBD) due to its ability to catalyze the oxidation of hydroxybutyrate.

### SDS-PAGE

