

## 32-7213: Recombinant Human L-Lactate Dehydrogenase A Chain/LDH-A/PIG19 (N-6His)

**Gene :** LDHA  
**Gene ID :** 3939  
**Uniprot ID :** P00338

### Description

Source: E.coli.  
MW :38.8kD.

Recombinant Human LDH-A is produced by our E.coli expression system and the target gene encoding Met1-Phe332 is expressed with a 6His tag at the N-terminus. L-Lactate Dehydrogenase A Chain (LDHA) is an enzyme that catalyzes the conversion of L-lactate and NAD<sup>+</sup> to pyruvate and NADH in the final step of anaerobic glycolysis. LDHA contains an N-terminal coenzyme binding region, a central catalytic site, and at least nine utilized Lys acetylation and two Tyr phosphorylation sites. LDHA belongs to the lactate dehydrogenase family, expressed predominantly in muscle tissue. LDHA mutations have been linked to exertional myoglobinuria.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 50% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMATLKDQLIYNLLKEEQTPQNKITVVGVGAVGMACAISILMKDLADELALVDVI  
EDKLGEMMDLQHGSFLRTPKIVSGKDYNVTANSKLVITAGARQQEGESRLNLVQRNVNIFKFIIPNVVKYSP  
NCKLLIVSNPVDILTYVAWKISGFPKNRVIGSGCNLDSARFRYLMGERLGVHPLSCHGWVLGEHGDSSVPVWS  
GMNVAGVSLKTLHPDLGTDKDKQWKEVHKQVVESEYEVIKLKGYSWAIGLSVADLAESIMKNLRRVHPVST  
MIKGLYGIKDDVFLSVPCILGQNGISDLVKVTLTSEEEARLKKASADTLWGIQKELQF

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.