

**LDHA, 1-332aa, Human, His tag, E.coli**

**Cat.NO.: TP02792**

3th Edition

**Synonyms:**L-lactate dehydrogenase A chain, GSD11, LDH1, LDHM, PIG19

**Description:**LDHA, also known as L-lactate dehydrogenase A chain, 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. This protein is found predominantly in muscle tissue and belongs to the lactate dehydrogenase family. Mutations in LDHA have been linked to exertional myoglobinuria. Recombinant LDHA protein was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl

**Molecular Weight:**38.8 kDa (352aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMATLKDQLIYNLLKEEQTPQNKITVVGVGAVGMACAISILMKDLADELALVDVIEDK  
LKGEMMDLQHGSLFLRTPKIVSGKDYNVTANSKLVITAGARQQEGESRLNLVQRNVNIFKFIIPNVVKYSPNCKLLIV  
SNPVDILTIVAWKISGFPKNRVIGSGCNLDSARFRYLMGERLGVHPLSCHGWVLGEHGDSSVPVWSGMNVAGVS  
LKTLPDLGTDKDKEQWKEVHKQVVESAYEVIKLGKGYTSAIGLSVADLAESIMKNLRRVHPVSTMIKGLYGIKDDV  
FLSVPCILGQNGISDLVKVTLTSEEEARLKKSadTLWGIQKELQF

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.