

## LDHA Protein, Human (His)

<b>Cat. No.:</b>	HY-P70225
<b>Synonyms:</b>	rHuL-lactate dehydrogenase A chain/LDH-A, His; L-Lactate Dehydrogenase A Chain; LDH-A; Cell Proliferation-Inducing Gene 19 Protein; LDH Muscle Subunit; LDH-M; Renal Carcinoma Antigen NY-REN-59; LDHA
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	P00338 (M1-F332)
<b>Gene ID:</b>	3939
<b>Molecular Weight:</b>	Approximately 38.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> M A T L K D Q L I Y   N L L K E E Q T P Q   N K I T V V G V G A   V G M A C A I S I L M K D L A D E L A L   V D V I E D K L K G   E M M D L Q H G S L   F L R T P K I V S G K D Y N V T A N S K   L V I I T A G A R Q   Q E G E S R L N L V   Q R N V N I F K F I I P N V V K Y S P N   C K L L I V S N P V   D I L T Y V A W K I   S G F P K N R V I G S G C N L D S A R F   R Y L M G E R L G V   H P L S C H G W V L   G E H G D S S V P V W S G M N V A G V S   L K T L H P D L G T   D K D K E Q W K E V   H K Q V V E S A Y E V I K L K G Y T S W   A I G L S V A D L A   E S I M K N L R R V   H P V S T M I K G L Y G I K D D V F L S   V P C I L G Q N G I   S D L V K V T L T S   E E E A R L K K S A D T L W G I Q K E L   Q F </pre>
<b>Biological Activity</b>	Measured by its ability to reduce pyruvate to lactate. The specific activity is > 70000 pmol/min/μg, as measured under the described conditions.
<b>Appearance</b>	Solution.
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 500 mM NaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween80, 1 mM EDTA, 50% Glycerol, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	N/A
<b>Storage &amp; Stability</b>	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Shipping with dry ice.

### DESCRIPTION

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**Background**

LDHA protein catalyzes the simultaneous and stereospecific interconversion of pyruvate and lactate, accompanied by the reciprocal interconversion of NADH and NAD(+).

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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