

## Recombinant Human LDHC, GST-tagged

**Cat. No.** LDHC-259H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LDHC(71 a.a. - 160 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Lactate dehydrogenase C catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. LDHC is testis-specific and belongs to the lactate dehydrogenase family. Two transcript variants have been detected which differ in the 5' untranslated region. |
| <b>Molecular Mass</b>   | 35.64 kDa                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | FFSTSKITSGKDYSVSANSRIVIVTAGARQQEGETRLALVQRNVAIMKSIIPAIVHYSP<br>DCKILVVSNPVDILTY IVWKISGLPVTRVIG                                                                                                                                                                                                       |
| <b>Applications</b>     | ELISA; WB-Re; AP; Array                                                                                                                                                                                                                                                                               |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                |
| <b>Storage</b>          | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                              |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | LDHC lactate dehydrogenase C [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b>     | LDHC                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>            | LDHC; lactate dehydrogenase C; CT32; LDH3; LDHX; L-lactate dehydrogenase C chain; LDH testis subunit; LDH-C; LDH-X; cancer/testis antigen 32; lactate dehydrogenase C4; lactate dehydrogenase c variant 1; lactate dehydrogenase c variant 3; lactate dehydrogenase c variant 4; NP_002292.1; EC 1.1.1.27; NP_059144.1 |
| <b>Gene ID</b>             | 3948                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | NM_002301                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | NP_002292                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>                 | 150150                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | P07864                                                                                                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 11p15.1                                                                                                                                                                                                                                                                                                                |
| <b>Pathway</b>             | Cysteine and methionine metabolism; Glycolysis / Gluconeogenesis; Propanoate metabolism                                                                                                                                                                                                                                |
| <b>Function</b>            | L-lactate dehydrogenase activity                                                                                                                                                                                                                                                                                       |

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