

## Product datasheet for SC306200

### LDHAL6A (NM\_144972) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LDHAL6A (NM_144972) Human Untagged Clone
Tag:	Tag Free
Symbol:	LDHAL6A
Synonyms:	LDH6A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306200 representing NM_144972. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAACTATCAAGAGTGAACCTTATTAAGAATTCGCGGAAGAGGAGGCCATTCACAAATAAGATC
TCCATTGTAGGAAGTGGATCGGTTGGTGTGGCTTGTGCTATCAGCATCTTATAAAGGTTTGAGTGAT
GAACCTGTCTTGTGGATGTTGATGAAGGCAAACTGAAGGGTGAAGACAATGGATCTTCAACATGGCAGC
CCTTTTATGAAAATGCCAAATATTGTCTCCAGCAAAGATTACCTGGTCACTGCAAACTCCAATCTAGTG
ATTATCACAGCAGGTGCACGCCAGAAAAAGGAGAAAACACGCCTTGATTTAGTCCAGCGAAATGTATCC
ATCTTTAAATTAATGATTCCCAATATTACCCAGTACAGTCCTCACTGCAAACTGCTTATTGTTACTAAT
CCAGTGGATATCTAACTTATGTAGCCTGGAAGTTGAGTGGATTTCCAAAAACCGTGTATTGGAAGT
GGTTGTAATCTGGACTCTGCTCGTTTTCTGTTACTTTATTGGGCAAAGGCTTGGCATCCACTCTGAAAGC
TGTCATGGGCTGATCCTTGGAGAGCATGGCGACTCAAGTGTTCTGTGTGGAGTGGTGTGAACATTGCT
GGCGTCCCTCTGAAGGATCTGAACCCAGATATAGGAAGTATAAAGATCCTGAGCAGTGGGAAAAATGTC
CACAAAAAGTGATTTCCAGTGGCTATGAGATGGTCAAATGAAAGGTTAATCTTCTGGGGCATTAGC
CTATCTGTAGCTGATTTAACAGAAAGTATTTGAAGAATCTTAGGAGAGTGCATCCAGTTTCTACCTA
AGTAAGGGCCTCTATGGAATAAATGAAGACATATTCCTTAGTGTCCCATGTATCCTGGGAGAGAATGGT
ATCACAGACCTCATAAAAGTAAACTGACTCTTGAAGAGGAGGCTGCTTGCAAAAGAGTGCAGAAAACA
CTTTGGGAAATTCAGAAGGAGCTCAAGCTTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_144972



<b>Insert Size:</b>	999 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_144972.4</a></u>
<b>RefSeq Size:</b>	2583 bp
<b>RefSeq ORF:</b>	999 bp
<b>Locus ID:</b>	160287
<b>UniProt ID:</b>	<u><a href="#">Q6ZMR3</a></u>
<b>Cytogenetics:</b>	11p15.1
<b>Protein Pathways:</b>	Cysteine and methionine metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism
<b>MW:</b>	36.5 kDa
<b>Gene Summary:</b>	<p>Displays an lactate dehydrogenase activity. Significantly increases the transcriptional activity of JUN, when overexpressed.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The extent of this RefSeq is supported by transcript alignments.</p>