

Product datasheet for **SC325782**

LDHAL6A (NM_001144071) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: LDHAL6A (NM_001144071) Human Untagged Clone

Tag: Tag Free

Symbol: LDHAL6A

Synonyms: LDH6A

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001144071, the custom clone sequence may differ by one or more nucleotides

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ATGGCAACTATCAAGAGTGAACCTATTAAGAATTCGCGGAAGAGGAGGCCATTATCAGC  
AATAAGATCTCCATTGTAGGAACTGGATCGGTTGGTGTGGCTTGTGCTATCAGCATCTTA  
TAAAAAGGTTTGAAGTGAAGTGAACCTGTCCTTGTGGATGTTGATGAAGGCAAATATTGTCTCCAGC  
GAGACAATGGATCTTCAACATGGCAGCCCTTTATGAAAATGCCAAATATTGTCTCCAGC  
AAAGATTACCTGGTCACTGCAAACCTCAATCTAGTGATTATCACAGCAGGTGCACGCCAG  
AAAAAAGGAGAAACACGCCTTGATTTAGTCCAGCGAAATGTATCCATCTTAAATTAATG  
ATTCCCAATATTACCCAGTACAGTCCTCACTGCAAACCTGCTTATTGTTACTAATCCAGTG  
GATATCTTAACTTATGTAGCCTGGAAGTTGAGTGGATTTCCCAAAAACCGTGTATTGGA  
AGTGGTTGTAATCTGGACTCTGCTCGTTTTCGTTACTTTATTGGGCAAAGGCTTGGC  
CACTCTGAAAAGCTGTCATGGGCTGATCCTTGGAGAGCATGGCGACTCAAGTGTTCCCTGTG  
TGGAGTGGTGTGAACATTGCTGGCGTCCCTCTGAAGGATCTGAACCCAGATATAGGAACT  
GATAAAGATCCTGAGCAGTGGGAAAATGTCCACAAAAAAGTGATTTCCAGTGGCTATGAG  
ATGGTCAAATGAAAGGTTATACTTCTTGGGCGATTAGCCTATCTGTAGCTGATTTAACA  
GAAAGTATTTTGAAGAATCTTAGGAGAGTGCATCCAGTTTCTACCCTAAGTAAGGGCCTC  
TATGGAATAAATGAAGACATATTCCTTAGTGTCCCATGTATCCTGGGAGAGAATGGTATC  
ACAGACCTCATAAAAGTAAAACCTGACTCTTGAAGAGGAGGCCTGCTTGCAAAAAGAGTGCA  
GAAACACTTTGGGAAATTCAGAAGGAGCTCAAGCTT
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Restriction Sites: Please inquire

ACCN: NM_001144071

OTI Disclaimer: 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).

OTI Annotation: 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.



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Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001144071.1, NP_001137543.1</u>
RefSeq Size:	1990 bp
RefSeq ORF:	999 bp
Locus ID:	160287
UniProt ID:	<u>Q6ZMR3</u>
Cytogenetics:	11p15.1
Protein Pathways:	Cysteine and methionine metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism
Gene Summary:	<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 (2) differs in the 5' UTR, compared to variant 1. 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 transcript is supported by transcript alignments.</p>