

Product datasheet for **SC306621**

LDHD (NM_153486) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LDHD (NM_153486) Human Untagged Clone
Tag: Tag Free
Symbol: LDHD
Synonyms: DLACD; DLD
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_153486, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCGACTGCTCAGGTCTGCAACCTGGGAGCTGTTCCCTGGAGGGGCTACTGCTCC
CAGAAGGCAAAGGGAGAGCTCTGCAGGGACTTCGTAGAGGCTCTGAAGGCCGTGGTGGG
GGCTCCCACGTGTCCACTGCCGCGGTGGTCCGAGAGCAGCACGGGCGCATGAGTCGGT
CACAGGTGCGAACCTCCTGATGCTGTGGTGTGGCCCCAGAACGTGGAGCAGGTACGCCG
CTGGCAGCCCTGTGCTATCGCAAGGTGTGCCATCATCCATTCCGCACCGGCACCGGG
CTTGAGGGTGGCGTCTGTGCTGTGCAGGGCGGCGTCTGCGTTAACCTGACGCATATGGAC
CGAATCCTGGAGCTGAACCAGGAGGACTTCTCTGTGGTGGTGGAGCCAGGTGTCACCCGC
AAAGCCCTCAACGCCACCTGCGGGACAGCGGCCTCTGGTTTCCCGTGGACCCAGGCGCG
GACGCCTCTCTGTGGCATGGCGGCCACCGGGGCGTCGGGGACCAACCGGGTCCGCTAC
GGCACCATGCGGGACAACGTGCTCAACCTGGAGGTGGTGTGCCCCGACGGGCGGCTGCTG
CACACGGCGGGCCGAGGCCGGCATTTCGCTTCGGCTTCTGGCCAGAAATCCCTCATCAC
ACAGCCTGGTACTCACCTTGTGTGCCCTGGGACGTAGGAAGAGTGCAGCCGGCTACAAC
CTCACGGGGCTCTTCGTGGGCTCCGAGGGGACGCTGGGCCTCATCACAGCCACCACCTG
CGCCTGCACCCTGCCCTGAGGCCACAGTGGCCGCCACGTGTGCGTTCCCAAGTGTCCAG
GCTGCTGTGGACAGCACTGTACACATCCTCCAGGCTGCAGTGCCCGTAGCCCGCATTGAG
TTCCTGGATGAAGTCATGATGGATGCCTGCAACAGGTACAGCAAGCTGAATTGCTTAGTG
GCGCCCACTCTTCTGGAGTTCATGGCTCCAGCAGGCACTGGAGGAGCAGTGCAG
CGCACAGAGGAGATAGTCCAGCAGAACGGAGCCTCTGACTTCTCCTGGGCCAAGGAGGCC
GAGGAGCGCAGCCGGCTTTGGACAGCACGGCACAATGCCTGGTACGCAGCCCTGGCCACG
CGGCCAGGCTGCAAGGGCTACTCCACGGATGTGTGTGCCCCATCTCCCGCTGCCGGAG
ATCGTGGTGCAGACCAAGGAGGATCTGAATGCCTCAGGACTCACAGGAAGCATTGTCGGG
CATGTGGGTGACGGCAACTTCCACTGCATCCTGCTGGTCAACCTGATGACGCCGAGGAA
CTGGGCAGGGTCAAGGCTTTTGCAGAACAGCTGGGCAGGCGGGCACTGGCTCTCCACGGA
ACGTGCACGGGGAGCATGGCATCGGAATGGGCAAGCGGCAGCTGCTGCAGGAGGAGGTG
GGCGCCGTGGGCGTGGAGACCATGCGGCAGCTCAAGGCCGTGCTAGACCCCAAGGCCTC
ATGAATCCAGGCAAAGTGTGTGA

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Restriction Sites: Please inquire

ACCN: NM_153486



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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.
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:	NM_153486.2 , NP_705690.2
RefSeq Size:	2091 bp
RefSeq ORF:	1524 bp
Locus ID:	197257
UniProt ID:	Q86WU2
Cytogenetics:	16q23.1
Protein Pathways:	Pyruvate metabolism
Gene Summary:	The protein encoded by this gene belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. The similar protein in yeast has both D-lactate and D-glycerate dehydrogenase activities. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the longer isoform (1).