

Product datasheet for **SC217116**

Lipoamide Dehydrogenase (DLD) (NM_000108) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Lipoamide Dehydrogenase (DLD) (NM_000108) Human 3' UTR Clone
Symbol:	Lipoamide Dehydrogenase
Synonyms:	DLDD; DLDH; E3; GCSL; LAD; OGDC-E3; PHE3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000108
Insert Size:	1952 bp



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Insert Sequence:

>SC217116 3' UTR clone of NM_000108

The sequence shown below is from the reference sequence of NM_000108. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAGCGATCGC

ATCTTGCTGCGTCATTTGGCAAATCAATCAACTTT**TGA**ATTAGAAGATTATATATATTTTTTTCTGAAAT
TTCCTGGGAGCTTTTGTAGAAGTCACATTCCTGAACAGGATATTCTCACAGCTCCAAGAATTTCTAGGAC
TGAATTATGAACTTTTGAAGGTATTTAATAGGTTTGGACAAAATGGAATACTTATATCTATATTTT
ACATAATTTAGTATTTTGTTCAGTGCCTAATGTGTAAGACAAAAGCTACTTATTGTAGCATCTCGG
AATATCTCCGTCAACTCATATTTTCATGCTGTTTCAAGAAAGTCAATGCCCTGAATTTAAATAGCTTT
TTTCTCTGATACAGAAAAGTTGAATTTACATGGCTGGAGCTAGAATTTGATATGTGAACAGTTGTGTT
GAAGCACAGTGATCAAGTTATTTTAAATTTGGTTTTTACATTGGAAACAAGTCAGTCATTAGATATGAT
TCAAATGTCTATAAACCGAACTGATGTAAGTAAACGGTCTCTCACTTGTTTTATTTAACCTCTAAATCT
TTCATTTTAGGGTAGCATTGTGTTGAAGAGTTTTAAAGCTTCCATTGTTGTCTGCAACTCTGAAGGG
TAATTATATAGTTACCCAAATTAAGAGAGTCTATTTACGGAACCTCAAATACGTGGGCATTCAAATGTATT
ACAGTGGGGAATGAAGATACTGAAATAAACGCTTAAATATTCATTTACTGGTTATCATGAGTACGTGTT
GAGATGGTCATAGTTTTTTTATGACTACTTCTAGTGTATTTCTAATTTCTTTTCTAGGCTGAATGTA
TCTTTATTTTTCATGTTATAGGACAATATTAAGGCATTTTAAAGGTCATCATCTTTTCTATTTTAGAT
ACACCTACTAAATGTTTAAATATACTTTTGGAGAAGTACAACATAAGGGAGTCTTTAATCTGTGTTTTT
CTTGGCTGGGTTAATGACTGTTTTATTTAAAGAGTGTGTGTAATAATGGATGTGTGTTTAAATGGCCA
TGTCTGAGGAACTTAAGTAACAAAGTACTAAATGCTAAGTAGGCTTTTGCATATTGTAACATAATTTA
AGAATAATTCAGATTAAGTAGTTCTGAAATTTGGTATAGATAGCATAGATTGTCTCATGCTCATGAGTGA
CATAATGACCCTGGATTCTGTTACATACTTCTAAAGAAAATTGATTGTTGTCTTAGGAGGCAGTTAACTT
GGCTGAACACCAACTCCACACTCTGTCTTGTGTTGTAGGTGGCAGCAGCTGAAATCTCTTCTCAGTTGTT
TAGCTTTAGCTATGCTGCTGGAAGTCTTTCCCATGCAAGTGTGTAGTTCAAGGGTCAACCAGAGTTGGG
CAGAAGGAAGTCTGCCCTTCTGTGCCTCCTGTTTTTGGGGTTTTCCCTTTATGTTCCAGCTGTTGTG
GTTGCCCATATCTGCCTTCTGATCCTTAACCAATAAACTTGGCTTTTGTTCCTTCAAGTGAGAA
CCGTTAAAAATGAGACATTGAGCCAGTCTGTTCACTTTTTAAGTGCCAACTTCCCTCTACTTTCCACT
TGTTTATAGTTGTTTCCAGTGCCTTTAGTTTTTCTAAAATATATTTGTTCCAGAGTTGCAAGTTGCTATC
AGCAGGAGGGTGGTCTGATATCTGTGTGCTACTTTGCCATTATTGGAAGTGAACCTCTGCATCTTTTTAA
AAATTTGAAATCCCGGTATCATGTGAAGTGTGTTATGTAATCTCAACATATCCCTTACTCAGGGAAA
AAAAAGTTTTTAGTTAGGGAATAGTGAATATAATTTAATATGGAATTTAGCTGTAGAGTTAAATCCAT
CTTTAAGTGTTTACATTCAGTATGAGAATGCAAATTTATCTGTATGGGAATAAAGTCTAG

ACGCGTAAGCGCCGCGCATCTAGATTCAAGAAAATGACCG

Restriction Sites:

Sgfl-Mlul

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_000108.3](#)

Summary:

This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the encoded protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, this protein can function as a protease. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Locus ID:

1738