

## Product datasheet for **SC209157**

### **MLYCD (NM\_012213) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	MLYCD (NM_012213) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MLYCD
Synonyms:	MCD
ACCN:	NM_012213
Insert Size:	2000 bp



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**Insert Sequence:** >SC209157 3'UTR clone of NM\_012213  
 The sequence shown below is from the reference sequence of NM\_012213. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCCAGTTTCAAAGAACAGCAAGCTCTGACAGTAAACCTCTCCTAAAGCACAGGGCCCCGGCTAAGAA
AACGATCATTTTTAGGAGGGGCCGGGAGTTATGTATCTGAAGCAGCTTTCCAAGCAAAGCCAAAGTTGA
CTGTGTTCTTGTCCCGCAGCCGGTCCACACTGTGAGGCCAGGCCTCAACTCCCTCACCTGGGCGTGA
CATGCACCCAGTGAAGACGGTTGTGGGTGCGGGTGCACACAAATGAGTGGGTTGCTGTGCTGTCTCCG
GAAGATTCTGTGCTTGCCTTGGCTGGCTCCCTGCCCGGGCTGGTGTGTGGTACCTACATCTTCAG
GAAGCTGTGCAGCCTCTGCCATTGCCATCCAGGGGGATCTGCCATCCTCCTAAGGACCGGGGCGCGTG
GCCCAGATAAGAATAGGTGTTCTTTGTGCTCATAAAACAGAATGCGGCGATGGTTGCTTTAGCCGTTT
CTCACCATGCAATGCAGAGGGACAAAGGGCTGTGTACACTTCCAGTTACATTCTGAAGCTCATAAAT
GTATGAGAAGGTTTGTGATTTTGCACAAGGTGTGTGTAGTAAGTTAAATTGTTGAACACAAAAATGTTG
CTGCTTGAGGCATAAGTTGGATAATAGGCTTTAAATGATCAGGGATTGAGTTTATAATGAACCTTACA
GTAAAGAACACGTTTGTCTGTAAGCATTGAACATCTGATTGTGTAGTGGTGGTGGTCTTTAAGATTA
GAGACCTGGGAAGGCTGGAATCAGCCAGCCAGCCTACGGGGAGTTTGGGATGAAGGAGCCTGGGGTGTG
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TATCAGTGCATGTCTGTGTACGTGTGCACGAGCATCTCTGGATCAGTGCACGTCTGTGTGCATGTGCCC
GAGCGTCTCTGTGTGGATCAGTGCACGTCTGTGTGCGTGTGCACGAGCGTCTCTGTGTGGATCAGTGCA
CGTCTGTGTGCGTGTGCACGAGCATCTCTGTGTGTGTGTGCACGTCTGTGTGCGTGTGCACGAGCGT
CTCTGTGTGTATCAGTGCACGTCTGTGTGCGTGTGCCGAGCGTCTCTGTGTGGATCAGTGCACGTCTG
TGTGCATGTGCACGAGCGTTCTATGTGGATCAGTGCACGCTGTGTGCGTGTGCACGAGCGTCTCTGTG
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GCACGAGCGTCTCTGTGTGGATCAGTGCACGTCTGTGTGCGTGTGCACGAGCGTTCTATGTGGATCAGT
GCACGCTGTGTGCGTGTGCACGAGCGTCTCTGTGTGTCAGTGCACGTCTGTGTGCGTGTGCACAAGCG
TCTCTGTGTGGATCAGTGCACGTCTGTGTGCGTGTGCACGAGCGTCTCTGTGGATCAGTGCACGTCTGT
GTGCGTGTGCACGAGCGTTCTATGTGGATCAGTGCACGCTGTGTGCGTGTGCACGAGCGTCTCTGTGT
GTGTGAGTGCACGTCTGTGTGTGCACGAGCGTCTCTGTGTGGATCAGTGCACGTCTGTGTGCGTGTGCC
CGAGCGTCTCTGTGTGGATCAGTGCACGTCTGTGTGCGTGTGCACAAGCATCTGTGTGTGTGAGTGCAC
GTCTGTGTGCGTGTGCACGAGCGTCTCTGGATCAGTGCACGTCTGTGCATGTGCACAGTGCATGTGCA
TGTGCTTACAGCTCTTTGTGTGTCTGTGTGCGTGTGTCCGAGTTGCCCTGTCTCGCTGTCTCCGTT
ACGCGT AAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**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\\_012213.3](#)

**Summary:** The product of this gene catalyzes the breakdown of malonyl-CoA to acetyl-CoA and carbon dioxide. Malonyl-CoA is an intermediate in fatty acid biosynthesis, and also inhibits the transport of fatty acyl CoAs into mitochondria. Consequently, the encoded protein acts to increase the rate of fatty acid oxidation. It is found in mitochondria, peroxisomes, and the cytoplasm. Mutations in this gene result in malonyl-CoA decarboxylase deficiency. [provided by RefSeq, Jul 2008]

**Locus ID:** 23417

**MW:** 72.7