

## Product datasheet for **RN206254**

### **Mlycd (NM\_053477) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mlycd (NM_053477) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mlycd
Synonyms:	Mcd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206254 representing NM\_053477  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGAGGCTTGGGGCCAAGCTTGAAGGCTCGGCGCTGCTCCCACTGCGGTACCCGCCGGCCCTCCGG  
 GGCTCGGGGACCTAGGCTGTGCAGCGGGCTCACGGCTAGCGCCATGGACGAGCTGTACGGCGAGCCGT  
 GCCACCCACGCCGGCCTACGAGCTGCGCGAGAAGACGCCGGCCCCGGCCGAGGGGAGTGCAGCGGACTTC  
 GTGAGCTTTTACGGCGGCTGGCCGAGGCGGCCAGCGCGCCGAGCTGCTCGGCCGCTGGCTCAGGGCT  
 TCGGCGTGGATCACGGCCAGGTAGCGGAGCAGAGCGCCGAGTGTGCAGCTGCGCCAGCAGTGCAGCGA  
 GGCGGCCGTGCTGCTGCAGGCAGAGGACCGGCTACGCTATGCCCTCGTCCCGGATACCGTGGCCTCTTC  
 CACCACATCAGTAAGCTGGACGGCGGCGTGCCTTCTGGTACAGCTGCGGGCCGATCTGCTGGAGGCGC  
 AGGCCCTCAAGCTGGTGAAGGGCCGACGTCCGGGAAATGAACGGAGTGTAAAAAGCATGCTGTCCGA  
 GTGGTTCTCTGGCTTCTGAACCTGGAGCGGGTACCTGGCACTCGCCCTGTGAGGTGCTTCAGAAG  
 ATCAGCGATTGTGAGGCTGTGCAGCCTGTGAAAACTGGATGGACATGAAGCGGGCGTGTGGGGCCATACC  
 GGAGGTGTTACTTCTTCTCCCACTGCTCCACCCCGGGGACCCCTGGTTGTTCTGCATGTGGCTCTGAC  
 CGGTGACATTTCCAACAACATCCAGAGCATTGTGAAAGAGTGCCTCCGTCTGAAACAGAGGAGAAGAAC  
 CGGATCGCTGCTGCTGTCTTCTACTCCATCAGCCTGACCCAGCAGGGCCTGCAGGGCGTGGGACTCGGCA  
 CCTTCTCATAAAGCGAGTGGTCAAGGAGCTGCAGAAGGAGTTTCTCATCTGGGGGCTTTTCCAGCCT  
 GTCACCTATACCCGGATTACCAAGTGGCTGCTGGGCCCTTCTGAATGTGCAGGAAAGGAGTATGGGAGG  
 AACGAGCTGTTACAGACTCAGAGTGCAAAGAAATCGCAGAGGTACGGGCGACCCTGTTACAGAGAGCC  
 TCAAGGGTCTCTGAGCAGTGGTGAAGTGGGCGAAGTCTGAGAAGCTGGCACAGGCATGCAGGGGCCACT  
 GATGAGACTGTGTGCTGGTACCTTTACGGTGAGAAGCACCGATACGCCCTCAATCCAGTGGCCAACCTTC  
 CACCTGCAGAACGGGGCTGTGATGTGGCGTATCAACTGGATGGCTGACAGCAGCCTCAAAGGCTCACCA  
 GCTCGTGCAGCCTCATGGTCAACTACCGTTACTACCTGGAGGAGACCGGCCCAACAGCATCTCTACCT  
 GGGCTCCAAGAACATCAAAGCTCCGAGCAGATCCTCAGCCTGGTAGCCAGTTCAGAGCAACAGCAAA  
 CTCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_053477

**Insert Size:** 1476 bp

**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).

**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:**

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\\_053477.1](#), [NP\\_445929.1](#)

**RefSeq Size:** 2020 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 85239

**UniProt ID:** [Q920F5](#)

**Cytogenetics:** 19q12

**Gene Summary:** plays a role in malonyl-CoA catabolism [RGD, Feb 2006]