

## Product datasheet for **RC208587L2V**

### MLYCD (NM\_012213) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MLYCD (NM_012213) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MLYCD
Synonyms:	MCD
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012213
ORF Size:	1479 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208587).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_012213.2</a>
RefSeq Size:	2211 bp
RefSeq ORF:	1482 bp
Locus ID:	23417
UniProt ID:	<a href="#">O95822</a>
Cytogenetics:	16q23.3
Domains:	MCD
Protein Families:	Druggable Genome



[View online »](#)

**Protein Pathways:** beta-Alanine metabolism, Metabolic pathways, Propanoate metabolism

**MW:** 54.8 kDa

**Gene 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]