

## Product datasheet for **SC206322**

### Methylmalonyl Coenzyme A mutase (MUT) (NM\_000255) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Methylmalonyl Coenzyme A mutase (MUT) (NM_000255) Human 3' UTR Clone
Symbol:	Methylmalonyl Coenzyme A mutase
Synonyms:	MCM; MUT
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000255
Insert Size:	1398 bp



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**Insert Sequence:** >SC206322 3'UTR clone of NM\_000255  
 The sequence shown below is from the reference sequence of NM\_000255. 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
TGTTTGGAAAAGAAGCAGCAATCTGTATAATATCCTCTTTTTGTTTTAGCTTTTGTCTAAAAATATTATT
TTAGTTATGATCAAAGAAGAGAGTAAAGCTATGTCTTCAATTTAATTTCAATACCTGATTTGTACTTTTC
CTTGAAAGCTTTACTTTAAAAATACCTTACTTATAGGCCTGGTGCATGCTATAAGTATGTACATACAGT
TTCACTTCAAAAAATAAAAAAAATCCCTAAAACTCTCTATACTCTCTATAACAATACTTTATCAAGA
ACTCTGGACAATGGTATTATTTTTAAAAATCATGGTGATGATTTATTAGAATGTTTCTTATAAATCTG
TTTACTTTTTATATTAAGAATTAACCTGTACCTAAAAAACTCTGACTATTCCCATTGTGAGTTTACG
ATTACATTGTCTTGAGCACCAGAAAATAAAATCCATATATTAATAAAAAACCTATCTTGAAAACTAGTG
GAGTGTATTTACGTGGCAAAAGAGATTTTGGGAGGAGTCTCAGCCAAATCTACCAGAATCACCTTAA
TAAAAGAAGTATTAATAAAGCACAGCAGGTTGGAATATGGGGAATTTGACAGTATATTTCTTCAAGT
CTGAGTTTACTTTCTTCTGATCATGACCATCTGACCTTGTATTCTGGGCTTGGCTCAAGACCAAGG
AGAGTGGATGTTGATGAACATTCCTTTAAATAAAAGTGCTTAGGTTGTAGTTATGGCTTTGTCTAGAAT
GGTGTATGCAACTGTGAGTGTAGGTCTGTGATATAGAAAGAAATCAACTTCCAGATCTAGAAAAGATGC
TACCTTGATAGATTTGCTCCTTAAACATAAAATGCAAAAAATAAAAAATACACAGAGAACACCTGTACT
TTGCTTACTGAAAGATTTGCTCACTAAAGAAGGAAAGTTGCCATTTACCTGTTTAAACAACTGCACAT
CCTGCACATGTTCCCGAAGTGTAAAATAAAAAAGTTTAAATAAAAAAGGAAAGTTGCTCTTTATTGT
TAACATGATCCATTACATGAATATAACATAAATAATTATCTTTTTTAATAAATTTCTATTGTATTAGAT
CAGAGAGCAGTCTTTTGGAAAGTATTATAGATACATTACTGTAGAATTTACAAACTCATTGTAATACAA
TGTTTTAATTTTCAAGATATGATTATCTGAATGGTATTGTCATGATTATTGTTCCCATTTTCAAGATGA
ACACTGACTTCAAGTCCAATGATATATTCACTATGCCATTTTATTGACTTTTCTTGAAAGCAATGCA
CACTAATTTAGTAAGTATTTGGTTTCTGTGATGTTCAGTTGCGTGCTGGGTGACATGTGAAATAAAC
TCATCCTTGAGGAATTTA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
  
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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\\_000255.4](#)

**Summary:** This gene encodes the mitochondrial enzyme methylmalonyl Coenzyme A mutase. In humans, the product of this gene is a vitamin B12-dependent enzyme which catalyzes the isomerization of methylmalonyl-CoA to succinyl-CoA, while in other species this enzyme may have different functions. Mutations in this gene may lead to various types of methylmalonic aciduria. [provided by RefSeq, Jul 2008]

**Locus ID:** 4594

MW: 53.9