

## Product datasheet for **SC213635**

### MT (MCAT) (NM\_014507) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MT (MCAT) (NM_014507) Human 3' UTR Clone
Symbol:	MT
Synonyms:	fabD; FASN2C; MCT; MCT1; MT; NET62
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014507
Insert Size:	1306 bp



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**Insert Sequence:** >SC213635 3'UTR clone of NM\_014507  
 The sequence shown below is from the reference sequence of NM\_014507. 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
TCTACGGTTTCTCCAGAAGAATTCCTCTAAGTTTCATTTACAGACGCCAGGATGTTGCCGGTTAGTGG
CGCATTCCACACCCGCTCATGGAGCCAGCCGTGGAGCCCTGACGCAAGCTTTAAAGGCAGTCCGACAT
TAAGAAGCCTCTGGTTTCTGTCTACTCCAACGTCCACGCGCATAGATACAGGCATCCCGGCACATCCA
CAAGCTGCTGGCCAGCAGCTGGTCTCCCCAGTGAAGTGGGAGCAGACGATGCATGCCATATACGAAAG
GAAAAAGGGCAGGGGTTCCCCAACTTTGAAAGTAGGCCCTGGCAGGCAGCTGGGAGCCATCCTGAA
GAGCTGTAACATGCAGGCCTGGAAGTCTACAGCGCCGTGGATGTGCTGCAGACCCTCGAACATGTGGA
CCTGGACCCTCAGGAGCCCCGAGATGACTGCAGGGGGCTCAAAATGCGATGACCCCTCTGTCTCTCTG
AGGAGAGGCTGTAGGCTGTGCCTGTGCCCCCTACCTTCTAATGGCTCCTCTCTGAGGAGTCAAAGG
GATTTGTTTGAACGTGCTTTGAAGGCCACATAAAAAGCCCTAAAAATGAGTATTTCTTTACATGACCC
AGTCCATTTCTCCCCCTGGAAAAACGTTTGGACGTTGGGAAGAATGATGCCACAGGGCTGGTGTGTGG
GGAAGCTAGAATCCTGGCCCCGCTCTGCCAGCCCTGCACCATAGGCAGGTGTGCCATCTCAGCGGGAA
GGGGAGGACTGGCTGCTGCAGCCTGTCTGCTGTGAGTGTGAGAACATGCTGGTGTGGCCCTCAATT
TCAGCCAGTGCCAGGGGAGCCCCCACCACCCCCAGCCTGCCCCCAGGGCTCCTTTGTCAAAATCT
GAAAGGTTTTAGAACCAGTTGGCCTTGGCAGTTTTGTTACCTCCTCACTTGACAGCTGGGAGACAGA
GGCCCACATTTATGGACATACCCAAGAGATATGTATTGCCTGCTGTGCTAGAGAGTGAAGTGCCTCT
GTTCTGGTAGAAAGTCTTGTAGTGAGGTGCGGGGTGTGGGAGTGCCAGGTAGGGAGGGCGACTGAGG
CCCTGGTCTTAGGGGTGGAACCATGGAGGAACACCCTGGTCACCCACTGGGACTGCGGGTCTGCGGGGC
GCCAGAGGGAGCAGACACATACCTGCCTCGGAGCTGACCCCTGGCTCCATGCCCCGTCCTCAGAGCAG
CTCCTGCGCCAATATTAAGTATGAGACATTCCAAGCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-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\\_014507.3](#)

**Summary:** The protein encoded by this gene is found exclusively in the mitochondrion, where it catalyzes the transfer of a malonyl group from malonyl-CoA to the mitochondrial acyl carrier protein. The encoded protein may be part of a fatty acid synthase complex that is more like the type II prokaryotic and plastid complexes rather than the type I human cytosolic complex. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2012]

**Locus ID:** 27349

**MW:** 46.8