

Product datasheet for **SC200218**

Methionyl tRNA synthetase (MARS) (NM_004990) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Methionyl tRNA synthetase (MARS) (NM_004990) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: MARS1
Synonyms: CMT2U; ILFS2; ILLD; MARS; METRS; MRS; MTRNS; SPG70
ACCN: NM_004990
Insert Size: 101 bp
Insert Sequence: >SC200218 3'UTR clone of NM_004990
The sequence shown below is from the reference sequence of NM_004990. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAGCCCCTAAAGGCAAGAAGAAAAAGTAAAGACCTTGGCTCATAGAAAGTCACTTTAATAGATAGGG
ACAGTAATAAATAAATGTACAATCTCTATATA
ACGCGTAAAGCGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

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_004990.4](#)

Summary: This gene encodes a member of the class I family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. The encoded protein is a component of the multi-tRNA synthetase complex and catalyzes the ligation of methionine to tRNA molecules. [provided by RefSeq, Jan 2011]



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Locus ID: 4141

MW: 3.6