

Product datasheet for **SC202352**

CARS1 (NM_001751) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CARS1 (NM_001751) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CARS1
Synonyms: CARS; CYSRS; MCDDBH; MDBH; MGC:11246
ACCN: NM_001751
Insert Size: 184 bp
Insert Sequence: >SC202352 3' UTR clone of NM_001751
The sequence shown below is from the reference sequence of NM_001751. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

TGGCCCAGAATGGAAGCTTCCAGTGAAGGGGGCACAGGACTGACTTTTTAAACCATTGTGGACTAGTGGCT
GCTGTCTGCCTCAGTGACAATGTCCCAGCGCTCCTATCATGTTTACAGTCACCCTGGGTCTAAATTA
GAGTTGTGTTTCATGTAGGTTTCGTGTCGTCGTTGGCTCTGAGACA

ACGCGT AAGCGGCCGCGCATCTAGATTCAAGAAAATGACCG

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_001751.4](#)



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Summary:

This gene encodes a class 1 aminoacyl-tRNA synthetase, cysteinyl-tRNA synthetase. Each of the twenty aminoacyl-tRNA synthetases catalyzes the aminoacylation of a specific tRNA or tRNA isoaccepting family with the cognate amino acid. This gene is one of several located near the imprinted gene domain on chromosome 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian and breast cancers. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2010]

Locus ID:

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