

Product datasheet for **SC207647**

SHMT2 (NM_005412) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: SHMT2 (NM_005412) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: SHMT2

Synonyms: GLYA; HEL-S-51e; NEDCASB; SHMT

ACCN: NM_005412

Insert Size: 604 bp

Insert Sequence: >SC207647 3'UTR clone of NM_005412

The sequence shown below is from the reference sequence of NM_005412. 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
TTCCCCATGCCTGGTTTTGATGAGCATTGAAGGCACCTGGGAAATGAGGCCACAGACTCAAAGTTACT
CTCCTTCCCCTACCTGGGCCAGTGAAATAGAAAGCCTTTCTATTTTTTGGTGCGGGAGGGAAGACCTC
TCACTTAGGGCAAGAGCCAGGTATAGTCTCCCTTCCCAGAATTTGTAAGTGAAGAAGATCTTTCTTTTT
CCTTTTTTTGGTAACAAGACTTAGAAGGAGGGCCAGGCACTTTCTGTTTGAACCCTGTGATGATCAC
AGTGTCAGAGACGCTCCTCTTTCTTGGGGAAGTTGAGGAGTGCCTTCAGAGCCAGTAGCAGGCAGGG
GTGGGTAGGCACCCTCCTCCTGTTTTATCTAATAAAATGCTAACCTGCCCTGAGTTTCCATTACTGT
GGGTGGGTTCCCTGGGCCAAACAGTGATTTGTCTCCCTCAATGTGTACACCGCTCCGCTCCACCAC
CGCTACCACAAGGACCCCGGGGCTGCAGCCTCCTTTCTGTCTGATCAGAGCCGACACCAGACGT
GATTAGCAGGCGCAGCAAATTCAATTTGTTAAATGAAATTGATTTTGCCCA
AGCGGACCGACTTACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCAGAGATTTTCGATTCCACCGCCG
```

Restriction Sites: SgfI-RsrII

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 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM_005412.6](#)

Summary: This gene encodes the mitochondrial form of a pyridoxal phosphate-dependent enzyme that catalyzes the reversible reaction of serine and tetrahydrofolate to glycine and 5,10-methylene tetrahydrofolate. The encoded product is primarily responsible for glycine synthesis. The activity of the encoded protein has been suggested to be the primary source of intracellular glycine. The gene which encodes the cytosolic form of this enzyme is located on chromosome 17. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Locus ID: 6472

MW: 22.8