

Product datasheet for **SC207129**

GSTM1 (NM_146421) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: GSTM1 (NM_146421) Human 3' UTR Clone
Symbol: GSTM1
Synonyms: GST1; GSTM1-1; GSTM1a-1a; GSTM1b-1b; GTH4; GTM1; H-B; MU; MU-1
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_146421
Insert Size: 480 bp
Insert Sequence: >SC207129 3'UTR clone of NM_146421
The sequence shown below is from the reference sequence of NM_146421. 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
TCAAAGATGGCTGTCTGGGGCAACAAGTAGGGCCTTGAAGGCCAGGAGGTGGGAGTGAGGAGCCCATAC
TCAGCCTGCTGCCAGGCTGTGCAGCGCAGCTGGACTCTGCATCCCAGCACCTGCCTCCTCGTTCCTTT
CTCCTGTTTATCCCATCTTTACTCCCAAGACTTCATTGTCCCTTCTCACTCCCCCTAAACCCCTGTCC
CATGCAGGCCCTTGAAGCCTCAGCTACCCACTATCCTTCGTGAACATCCCTCCCATCATTACCCTTC
CCTGCACTAAAGCCAGCCTGACCTTCTTCTGTTAGTGGTTGTGTCTGCTTTAAAGGGCCTGCCTGGC
CCCTCGCCTGTGGAGCTCAGCCCCGAGCTGTCCCCGTGTTGCATGAAGGAGCAGCATTGACTGGTTTAC
AGGCCCTGCTCCTGCAGCATGGTCCCTGCCTTAGGCCTACCTGATGGAAGTAAAGCCTCAACCACA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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.



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RefSeq: [NM_146421.3](#)

Summary: Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of certain drugs. Null mutations of this class mu gene have been linked with an increase in a number of cancers, likely due to an increased susceptibility to environmental toxins and carcinogens. Multiple protein isoforms are encoded by transcript variants of this gene. [provided by RefSeq, Jul 2008]

Locus ID: 2944

MW: 16.9