

Product datasheet for **SC206665**

Glutathione S Transferase alpha 1 (GSTA1) (NM_145740) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Glutathione S Transferase alpha 1 (GSTA1) (NM_145740) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: GSTA1
Synonyms: GST-epsilon; GST2; GSTA1-1; GTH1
ACCN: NM_145740
Insert Size: 517 bp
Insert Sequence: >SC206665 3'UTR clone of NM_145740
 The sequence shown below is from the reference sequence of NM_145740. 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
GAAGAAGCAAGGAAGATTTTCAGGTTTTATAACGCAGTCATGGAGGCCAAGAAGCTTGAATACCAATG
TTCTAAAGTTTTGCAACAATAAAGTACTTTACCTAAGTGTGATTGTGCCTGTTGTGAAGCTAATGAAC
TCTTTCAAATTATATGCTAATTAATAATAACAACCTCTATTTCGCTGACTTAGTTAAAATTGATTTGTTT
TCATTAGGATCTGATGTGAATTCAGATTTCCAATCTTCTCCTAGCCAACCATTTTCTGGAATAAAAA
TTCAGTAAAAAGGAACTATAGATTATGTGGTTTGTGACTTTTCCAAGAATTGTCCCGTAACATAC
AATTTGTCATACAATCTATTAATGTCAATGTAGAAATGCACCTCTGACATTTTCAGGTATGCACAGG
AGAAGAGTTACCATCCTGGATAATGGCATAAAGACATTTTCTTCTTTTCTGGACAGTCATTTATTTTC
TGATAAAAGCGTTCTTTCTTATGCATTTGCAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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_145740.5](#)



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Summary:

This gene encodes a member of a family of enzymes that function to add glutathione to target electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins, and products of oxidative stress. This action is an important step in detoxification of these compounds. This subfamily of enzymes has a particular role in protecting cells from reactive oxygen species and the products of peroxidation. Polymorphisms in this gene influence the ability of individuals to metabolize different drugs. This gene is located in a cluster of similar genes and pseudogenes on chromosome 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Locus ID:

2938

MW:

19.9