

Product datasheet for SC203924

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Glutathione S Transferase theta 1 (GSTT1) (NM 000853) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Glutathione S Transferase theta 1 (GSTT1) (NM 000853) Human 3' UTR Clone

Symbol: Glutathione S Transferase theta 1

Mammalian Cell

Selection:

Neomycin

Vector: pMirTarget (PS100062)

ACCN: NM_000853

Insert Size: 336 bp

Insert Sequence: >SC203924 3'UTR clone of NM_000853

The sequence shown below is from the reference sequence of NM_000853. The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

ATGCCCTGGGTGCTGGCCATGATCCGGTGAGCTGGGAAACCTCACCCTTGCACCGTCCTCAGCAGTCCACAAAGCATTTTCATTTCTAATGGCCCATGGGAGCCAGGCCCAGAAAGCAGGAATGGCTTGCCTAAGACTTGCCCAAGTCCCAGAGCACCTCACCTCCCGAAGCCACCCTGTCTTCCACAGCCGCCTGAAAGCCACAATGAGAATGATGACACACCTGAGGCCTTGTGTCCTTTAATCACTGCATTTCATTTTGATTTTGG

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: Sgfl-Mlul

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).

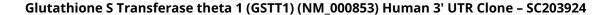
Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

separate vials.

RefSeq: <u>NM 000853.3</u>





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Summary: The protein encoded by this gene, glutathione S-transferase (GST) theta 1 (GSTT1), is a

member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1, GSTT2, and GSTT2B. GSTT1 and GSTT2/GSTT2B share 55% amino acid sequence identity and may play a role in human carcinogenesis. The GSTT1 gene is haplotype-specific and is absent from 38% of the population. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Locus ID: 2952 **MW:** 12.2