

Product datasheet for **SC205551**

Glutathione Synthetase (GSS) (NM_000178) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Glutathione Synthetase (GSS) (NM_000178) Human 3' UTR Clone
Symbol:	Glutathione Synthetase
Synonyms:	GSHS; HEL-S-64p; HEL-S-88n
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000178
Insert Size:	403 bp
Insert Sequence:	>SC205551 3' UTR clone of NM_000178 The sequence shown below is from the reference sequence of NM_000178. The complete sequence of this clone may contain minor differences, such as SNPs. Red =Cloning site Blue =Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

AGTGGCAGTCCTGGACAACCCATACCCTGTGTGAGGGCACAACCAGGCCACGGGACCTTCTATCCTCTGT
ATTTGTCATTCTCCTAGCCCTCCTGAGGGGTATCCTCTAAAGACCTCCAAAGTTTTATGGAAGGG
TAAATACTGGTACCTTCCCCAGCTTTCCATCTGAGGACCAGAAAAGTTGTGTCTCCCTTAGATGAGATC
TAGACGCCCCCAATCCTTGAGATGTGGGTATAGCTCAGGGTAAAGCTGCCTGAGGTAAAGGTCCATGAA
CCCTGCCCCACTCCTGTGAGCCCTCATCAGCCTTTTCAGCAGGTTCCAGTGCCTGACTTGGGATAGGAC
TGAGTGGTAGGAGGAGGGGGAGTGGAGGGGCATAGCCTTTCCTAATTCTGCC

ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

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_000178.2](#)

Summary: Glutathione is important for a variety of biological functions, including protection of cells from oxidative damage by free radicals, detoxification of xenobiotics, and membrane transport. The protein encoded by this gene functions as a homodimer to catalyze the second step of glutathione biosynthesis, which is the ATP-dependent conversion of gamma-L-glutamyl-L-cysteine to glutathione. Defects in this gene are a cause of glutathione synthetase deficiency. [provided by RefSeq, Jul 2008]

Locus ID: 2937