

Product datasheet for **SC307563**

GSTO2 (NM_183239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GSTO2 (NM_183239) Human Untagged Clone
Tag:	Tag Free
Symbol:	GSTO2
Synonyms:	bA127L20.1; GSTO 2-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307563 representing NM_183239. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTCTGGGGATGCGACCAGGACCTGGGGAAAGGAAGCCAGCCCCAGGGCCAGTCCCGGAGGGGCTG
ATCCGCATCTACAGCATGAGGTTCTGCCCTATTCTCACAGGACCCGCCTCGTCCTCAAGGCCAAAGAC
ATCAGACATGAAGTGGTCAACATTAACCTGAGAAACAAGCCTGAATGGTACTATACAAAGCACCTTTT
GGCCACATTCTGTCTGGAGACCAGCCAATGTCAACTGATCTATGAATCTGTTATTGCTTGTGAGTAC
CTGGATGATGCTTATCCAGGAAGGAAGCTGTTTCCATATGACCCTTATGAACGAGCTCGCCAAAAGATG
TTATTGGAGCTATTTTGAAGTCCCACATTTGACCAAGGAGTGCCTGGTAGCGTTGAGATGTGGGAGA
GAATGCACTAATCTGAAGGCAGCCCTGCGTCAGGAATTCAGCAACCTGGAAGAGATTCTTGAGTATCAG
AACACCACCTTCTTTGGTGAACCTGTATATCCATGATTGATTACCTCCTCTGGCCCTGGTTTGAGCGG
CTGGATGTGTATGGGATACTGGACTGTGTGAGCCACACGCCAGCCCTGCGGCTCTGGATATCAGCCATG
AAGTGGGACCCACAGTCTGTGCTTCTCATGGATAAGAGCATTTTCCAGGGCTTCTTGAATCTCTAT
TTTCAGAACAAACCCTAATGCCTTTGACTTTGGGCTGTGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_183239
Insert Size:	732 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_183239.1
RefSeq Size:	1546 bp
RefSeq ORF:	732 bp
Locus ID:	119391
UniProt ID:	Q9H4Y5
Cytogenetics:	10q25.1
Protein Pathways:	Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450
MW:	28.3 kDa
Gene Summary:	<p>The protein encoded by this gene is an omega class glutathione S-transferase (GST). GSTs are involved in the metabolism of xenobiotics and carcinogens. Four transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>