

Product datasheet for **SC329740**

MGST2 (NM_001204366) Human Untagged Clone

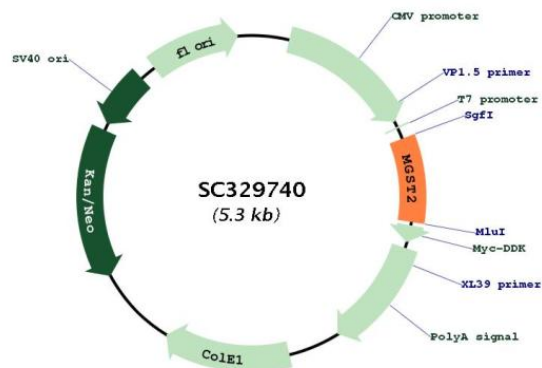
Product data:

Product Type:	Expression Plasmids
Product Name:	MGST2 (NM_001204366) Human Untagged Clone
Tag:	Tag Free
Symbol:	MGST2
Synonyms:	GST2; MGST-II
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329740 representing NM_001204366. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCGGGAACTCGATCCTGCTGGCTGCTGTCTCTATTCTCTCGGCCTGTCAGCAAAGTTATTTTGGCTT
TTGCAAGTTGGAAAGGCAAGATTAATAACAAAGTTACGCCCCAGCAGTCACTGGGTCACCAGAGTTT
GAGAGATATTTTCGGGCACAACAAAAGTGTGTGGAGTTTTATCCTATATTCATAATTACATTGTGGATG
GCTGGGTGGTATTTCAACCAAGTTTTTGTACTTGTCTGGGTCTGGTGTACATATATGGCCGTCACCTA
TACTTCTGGGGATATTCAGAAGCTGCTAAAAACGGATCACCGGTTTCCGACTGAGTCTGGGATTTTG
GCCTTGTGACCCTCTAGGTGCCCTGGGAATTGCAAACAGCTTCTGGATGAATATCTGGACCTCAAT
ATTGCCAAGAACTGAGGCGCAATTC

Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001204366
Insert Size:	444 bp
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).
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_001204366.1
RefSeq Size:	1278 bp
RefSeq ORF:	444 bp
Locus ID:	4258
UniProt ID:	Q99735
Cytogenetics:	4q31.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450
MW:	16.6 kDa
Gene Summary:	<p>The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, several of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. This gene encodes a protein which catalyzes the conjugation of leukotriene A4 and reduced glutathione to produce leukotriene C4. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Feb 2011]</p> <p>Transcript Variant: This variant (2) has an alternate 3' UTR and encodes the same isoform (1), as compared to variant 1.</p>