

## Product datasheet for **RN200818**

### **Gstm1 (NM\_017014) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gstm1 (NM_017014) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gstm1
Synonyms:	GSTA3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200818 representing NM_017014 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTATGATACTGGGATACTGGAACGTCGCGGGCTGACACACCCGATCCGCCTGCTCCTGGAATACA  
CAGACTCAAGCTATGAGGAGAAGAGATACGCCATGGGCGACGCTCCGACTATGACAGAAGCCAGTGGCT  
GAATGAGAAGTTCAAACGGCCTGGACTTCCCAATCTGCCCTACTTAATTGATGGATCGCGCAAGATT  
ACCCAGAGCAATGCCATAATGCGCTACCTTGCCCGCAAGCACCACTGTGTGGAGAGACAGAGGAGGAGC  
GGATTCGTGCAGACATTGTGGAGAACCAGGTCATGGACAACCGCATGCAGCTCATCATGCTTTGTTACAA  
CCCCGACTTTGAGAAGCAGAAGCCAGAGTTCTTGAAGACCATCCCTGAGAAGATGAAGCTCTACTCTGAG  
TTCCTGGGCAAGCGACCATGGTTTGAGGGGACAAGGTCACCTATGTGGATTTCTTGCTTATGACATTC  
TTGACCAGTACCACATTTTTGAGCCCAAGTGCCTGGACGCCTTCCCAAACCTGAAGGACTTCTGGCCCG  
CTTTGAGGGCCTGAAGAAGATCTCTGCCTACATGAAGAGCAGCCGCTACCTCTCAACACCTATATTTTCG  
AAGTTGGCCCAATGGAGTAACAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_017014
Insert Size:	657 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_017014.1</a></u> , <u><a href="#">NP_058710.1</a></u>
<b>RefSeq Size:</b>	1055 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	24423
<b>UniProt ID:</b>	<u><a href="#">P04905</a></u>
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	multifunctional enzyme thought to have scavenger function; able to neutralize harmful metabolites from foreign substances [RGD, Feb 2006]