

## Product datasheet for MC212807

### Gbgt1 (NM\_139197) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gbgt1 (NM\_139197) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gbgt1  
**Synonyms:** Fgs; Fs  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212807 representing NM\_139197  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACCCGCCAAGACTGGCCAGGGCCTAGCGTTCTTCCTGCTCGGTGGCACAGGTCTCTGGTCTGT  
 GGAAGTTTATCAAGGACTGGCTGCTGGTCTCCTACATACCCTATTACCTCCCCTGCCAGAGTTCTTCAA  
 CATGAAGCTGCCCTTCAGGAAGGAGAAACCGTTGCAGCCTGTGACACAGTTACAGTACCCTCAGCCTAAG  
 CTGCTGGAACACGACCCACAGAGCTGCTGACACTTACCCCGTGGTTGGCACCCATCGTCTCCGAGGGAA  
 CCTTTGACCCGGAGCTTCTGAAGAGCATGTACCAGCCGTTGAACCTGACCATTGGCGTCACCGTGTTCG  
 CGTGGGGAAGTACACCTGCTTCAATTCAGCGCTTCTGGAGTCAGCTGAAGAGTTCTTTATGCGTGGGTAC  
 CAAGTACACTATTACCTTTTACCCATGATCCTACAGCCGTTCCCAGAGTTCCCCTGGGCCCGGTCCGGC  
 TCCTCAGCATCATCCCTATCCAGGGTATTCCCGGTGGGAGGAGATCTCCATGCGCCGAATGGAGACCAT  
 CAACAAACACATTGCCAAGAGAGCCACAAGAAGTGGATTACCTCTTGTGTGATGTGGATATGGTC  
 TTCCGTAACCCATGGGGCCCCGAGACCTTGGGGGATCTAGTGGTGCCATTACCCAGGCTATTTTGCTG  
 TACCTCGCCGAAATCCCTTATGAAGCAGGCAAGTTTCTCTGCCTTTGTGGCAGACAATGAGGGGGA  
 CTTCTATTATGGTGGGGCACTTTTGGGGACGAGTGGCCAGAGTGTATGAGTTTACCCGGCCTGCCAC  
 ATGGCCATTCTGGCAGACAAAGCTAACAGCATTATGGCAGCCTGGCAGGAGGAGCCACCTGAACCGCC  
 ACTTCATCTGGCACAACCATCTAAGGTGCTGTCCCAGAGTACCTCTGGGATGAAAGGAAGCCTCGGCC  
 CCGAAGCCTGAAGATGATTTCGATTCCTCAGTAAAAAAGAAATGCCAACTGGCTGAGGACCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_139197



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<b>Insert Size:</b>	1044 bp
<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>	<a href="#">NM_139197.2</a> , <a href="#">NP_631936.2</a>
<b>RefSeq Size:</b>	1335 bp
<b>RefSeq ORF:</b>	1044 bp
<b>Locus ID:</b>	227671
<b>UniProt ID:</b>	<a href="#">Q8VI38</a>
<b>Cytogenetics:</b>	2 A3
<b>Gene Summary:</b>	Catalyzes the formation of Forssman glycolipid via the addition of N-acetylgalactosamine (GalNAc) in alpha-1,3-linkage to GalNAcb-1,3Gala-1,4Galb-1,4GlcCer (Gb4Cer). Forssman glycolipid (also called Forssman antigen; FG) probably serves for adherence of some pathogens. Conversely, it diminishes Shiga toxins susceptibility.[UniProtKB/Swiss-Prot Function]