

## Product datasheet for **MC212756**

### **Pggt1b (NM\_172627) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pggt1b (NM_172627) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pggt1b
Synonyms:	2010207C17Rik; 2610100E13; AI451237; AI551093; BGG1; GGT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212756 representing NM_172627 <b>Red</b> =Cloning site <b>Blue</b> =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGCCACCGAGGACGACAGGCTGGCGGGAGCGGAGAAGGAGAACGGCTGGATTTCTGCGGGACC  
GGCATGTGCGGTTCTCCAGCGCTGCCTCCAGGCTTGCCGGAGCGGTATTCCTCGCTGGAGACCAGCAG  
ATTGACAATTGCCTTTTTGCACCTCTGGGCTGGATATGCTGGACTCCTGGATGTGGTGAACAAAGAC  
GATATAATAGAGTGGATCTACTCCCTGCAGGTTCTCCACAGAAGACAGGTCAAATCTGAGTCGCTGTG  
GTTCCGAGGTTCTTCATACCTGGGATTCATTCAATCCATCAAAGAATCCAGGAGCAGCCCATCCTTA  
CGACAGTGGACACATAGCGATGACGTACACGGGGCTTTCCTGTCTGATCATCCTTGGAGATGACTTAGGC  
CGTGTGGATAAAGAGGCTTGCTTAGCAGGCTTGAGAGCGCTTCAGCTGGAAGACGGGAGCTTCTGTGCGG  
TTCTGAAGGCAGTGAGAATGACATGAGGTTTGTGTAAGTGCATCCTGCATTTGCTATATGCTCAACAA  
CTGGTCCGGCATGGATATGAAGAAAGCCATCAGCTACATTAGAAGAAGTATGTCCATGACAATGGGCTG  
GCCAGGGAGCAGGCCTTGAGTCTATGGAGGATCCACCTTCTGTGGCATTGCGTCACTGTGCCTGATGG  
GTAACCTGGAAGAAGTTTTTTCAGAGAAAGAACTGAACAGGATAAAGAGGTGGTGCATAATGAGGCAGCA  
GAACGGGTACCACGGGAGGCCTAACAGCCCGTCGACACCTGCTACTCCTTCTGGGTGGCGCAACACTG  
AAGCTTTTGAAAATTTTCCAGTACACTAATTTGAGAAGAATAGGAACATACATCTTCAACTCAAGATC  
GCCTTGTGGGGATTTGCTAAATGGCCAGACAGTCATCCAGATGCTTTGCACGGTACTTCGGGATCTG  
CGGCTGTCACTCATGGAGGAGAGTGGGATTTGTAAGTGCACCCCTGCTCTGAATGTAAGCACACGGACT  
TCCGAGCGCTCCGTGATCTCCATCAAAGCTGGAAGACCAAGGACTCCAACAGTCTCAGACAATGTCC  
ACATTGCCACCTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja1638_d11.zip">https://cdn.origene.com/chromatograms/ja1638_d11.zip</a>
<b>Restriction Sites:</b>	Sgfl-RsrII
<b>ACCN:</b>	NM_172627
<b>Insert Size:</b>	1134 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="#">BC141021</a> , <a href="#">AAI41022</a>
<b>RefSeq Size:</b>	1923 bp
<b>RefSeq ORF:</b>	1134 bp
<b>Locus ID:</b>	225467
<b>UniProt ID:</b>	<a href="#">Q8BUY9</a>
<b>Cytogenetics:</b>	18 C
<b>Gene Summary:</b>	Catalyzes the transfer of a geranyl-geranyl moiety from geranyl-geranyl pyrophosphate to a cysteine at the fourth position from the C-terminus of proteins having the C-terminal sequence Cys-aliphatic-aliphatic-X. Known substrates include RAC1, RAC2, RAP1A and RAP1B (By similarity).[UniProtKB/Swiss-Prot Function]