

## Product datasheet for **RN202546**

### **Glb1 (NM\_001108192) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Glb1 (NM_001108192) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Glb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202546 representing NM\_001108192  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTCCGGGTCCCCTGTGTATGCTGCTCCCGCTCCTGGCGCTCCTGCAGTTGCTGGGCGCTGCGCACA  
GTTTCTATAATGTCTCCAGAGGACATTTGAGCTGGACTACAAACGGGACCGCTTCCTCAAGGATGGGCA  
GCCATTCCGCTACATCTCGGGAAGCATTCACTACTCCGATACCCCGATTCTACTGGGAGGACCGGCTG  
CTAAAGATGAAGATGGCTGGGCTGGATGCAATCCAGACGTACGTGCCCTGGAACCTCCATGAACCCAGC  
CAGGACAATATGACTTTTCTGGGACCGTGATGTGGAACATTTCACTCAGCTGGCTACCAGCTGGGACT  
CCTGGTATCCTGAGGCCTGGGCCCTACATCTGTGCAGAGTGGGACATGGGGGGCTTACCCGCTTGGTTA  
CTAGAGAAAGAATCGATCGTTCTCCGGTCTCCGACCCAGATTACCTGCAGCTGTGGATAAATGGCTGG  
CAGTCTTCTGCCAAGATGAAGCGTCTGCTCTACCAGAACGGAGGCCCATATAACCGTCGAGGTTGA  
GAATGAGTACGGGTCCTACTTCGCTGCGATTATAACTACCTGCGTTTCTGGAGCACCGCTTCCGCTAC  
CATTTGGGTAACGACATCATTCTTCCACTGACGGAGCAGCTGAAAAATTACTCAAGTGTGGGACCC  
TGCAGGACCTCTACGCCACAGTGGATTTTGAACAACCGCAATATCACACGAGCTTTCTGATCCAGAG  
GAATTTTGAACCCAAAGGACCTTTGATCAATTCTGAGTTCTATACTGGCTGGTTAGACCACTGGGGTCAA  
CCCCATTTCAAAGTGAATACTAAGAAGTTGGTGGCCTCCCTCTATAACCTGCTTGCTACGGGGCCAGCG  
TGAACCTGTACATGTTTATAGGTGGGACCAATTTTGCCTATTGGAATGGTCCAACATGCCCTATGCCCC  
ACAGCCAAACAGCTATGACTATGACGCCCACTGAGCGAGGCAGGAGACCTCACTGAGAAGTACTTCGCA  
GTACGAGATGTCATTCGGAAGTTTAAAGAAGTCCAGAACGGTACGGAAGCTCTGGGTATACTGTGTCCCAACGG  
CATATGGAAAAGTTGCTCTGAGAAAAGTTCAAGACGGTGACGGAAGCTCTGGGTATACTGTGTCCCAACGG  
GCCCGTGAAAAGCCTCTACCCCTTGACGTTCACTCAGGTAAAACAGTATTTTGGGTATGTGCTATACCGA  
ACGACACTTCTCAAGATTGCAGTAACCCGAAACCCATTTTCTTCCACCATAAATGGTGTCCGTGATC  
GGGCTACGTCTCTGTGGACGGGTCCCCAAGGAATCCTTGATCGAAACCGTATGAACGTTCTGAACAT  
TCGGGGGAAGGCCGGAGCCACGCTAGACATTCTGGTGGAGAACATGGGGCGTGTGAACATGGAACCTCC  
ATCAAAGACTTTAAGGGTTTGATTTCAAACATGACCCCTCAACTTCACTGCTCCTACCAACTGGACAATGT  
TCCCACTGGACACTGAGGCCCTGGCACGCAGCCATCTGGGAACCTGGGAGCCGCTGATGAGGGTCACT  
CGATGGACACTCGACCTACGTTCTTCAAATTTACACTCCCCACCTTTTACGTGGGCAACTTCTCCATC  
CCCTCGGGCATCCAGACCTGCCGACGACACCTTCATCCAGTTTCCCGGATGGGCCAAGGGCCAAGTAT  
GGATCAATGGCTTTAACCTCGGGCGATACTGGCCACAAAGGGCCACAAATGACCTTGTTGTGCCAAG  
GAACATCCTGACCACTTACGCCCCAAACACATCACAGTCTAGAACTGGAGTCGTACCCCTGCAGTAAT  
GGGACCCTAGAGCTATGTACAGTAGAGTTTGTGACACTCCGGTTATTGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001108192

**Insert Size:** 1944 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:**

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\\_001108192.1](#), [NP\\_001101662.1](#)

**RefSeq Size:** 2833 bp

**RefSeq ORF:** 1944 bp

**Locus ID:** 316033

**Cytogenetics:** 8q32

**Gene Summary:** mutation of the human homolog causes GM1 gangliosidosis and Morquio B disease [RGD, Feb 2006]