

Product datasheet for **MG217145**

Glb1l (NM_029010) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glb1l (NM_029010) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Glb1l
Synonyms:	4833408P15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217145 representing NM_029010
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACCCGACCTGCCTCCCTGCTGCTGCGGCTTGTGGTCTACTGCTGCTGCCAGGCAGAAGCTC
 GCTCCTTCGTTGTGGATCGGGAACATGACAGATTCCTCCTGGATGGGGTCCCCTTCGCTATGTTTCTGG
 CAGCCTGCACTACTTTCGAGTACCGCGGTTCTGTGGGCCGACCGGCTTCTCAAGATGCAGTTGAGCGGC
 CTAACGCTGTGCAGTTTATGTGCTTGAAGTACCATGAGCCAGAGCCTGGGATCTATAACTTTAATG
 GCAGCCGGGACCTCATTGCCTTCTGAATGAGGCAGCTAAAGTGAACCTGTTGGTTATTCTGAGACCAGG
 ACCTTACATCTGTGCTGAGTGGGAGATGGGAGTCTCCCCTCTTGGTTGCTTCGAAACCTAATATTCAT
 CTGAGAACCTCAGATCCTGCCTTCTTGAAGCTGTGGACTCCTGGTTCAAGGTCTGTGCCAAAGATAT
 ATCCATTTCTCTACCACAATGGGGCAACATCATTAGCATTAGGTGGAGAACGAATACGGTAGCTACAA
 GGCTGTGACTTCAAGTATATGAGACACTTAGCTGGCCTTCCGAGCATTACTAGGGGACAAGATCTTG
 CTCTTACCACAGATGGGCCTCACGGACTCAGATGTGGCTCCCTTCAGGGACTCTATACCACTATAGATT
 TTGGCCCAGCTGACAATGTGACCAGAATCTTTCCCTGCTTCGGGAGTATGAACCTCATGGGCCATTGGT
 GAACTCGGAGTACTATACAGGCTGGCTGGATTACTGGGGCCAAAATCATTCCACACGATCCAGTCCAGCT
 GTAGCCCAAGGACTAGAAAAATGCTCAAGTTGGGAGCCAGTGTGAACATGTATATGTTCCATGGAGGTA
 CCAACTTTGGATACTGGAATGGAGCTGACGAGAAGGGACGCTTCCCTTCCAATTACTACCAGCTACGACTA
 TGATGCACCCATATCTGAAGCAGGGGACCTACACCTAAGCTTTTGAATTCGAAATGCATCAGCAAG
 TTCCAGGAAATCCCTTGGGACCTTACCTCCTCCAGCCCAAGATGAAGTTTGGACCTTTGACTATGA
 GCCTGGATGGGAATTTGCTGTCTTCTAGACTTCTCTGCCCCCAAGGCCAATCCATTCACTTTTCC
 ATTGACCTTTGAGGCTGTTAAACTGGACCATGGCTTTATGTTGTACAGGACCTATCTGACTTCTCCTGTT
 TTAGAACCAACACCATTCTGGGTGCCAAAATAATGGGATTCATGACCGAGCCTATGTGATGGTAGACGGGG
 TATTGAAGGGCGTTCTGGAGCGGAGTTTGAACAAGAAGTGTATTTGACTGGGACAGTAGGGACCAGGCT
 GGATATATTGCTAGAGAATATGGGGAGGCTCAGTTTTGGGTCTAACACAGTACTTCAAGGGCCTGTTA
 GAAGCACCCTGCTGGGGCAGACCATCCTCACTGAGTGGATGATGTTCCCTCTCAAGGTGGATAAGCTTG
 TAAAGTGGTGGTTCCCTGTCAGCTGATGAAAAGAGCCCTGCCTCAAGCTTCTCTGTCCCTGCCTTCTA
 TTCCGCAAAGTTCCAGTTTTCCGCTTGTGGGGACACATTTCTCTATCTACCTGGATGGACCAAGGGC
 CAAGTGTGGATCAATGGGTTAACTTGGGCGGTACTGGACAATGCGGGGTCCACAACAAACCTATACG
 TGCCAAGACTGCTGCTGTTTGGTATGATCAATCAACAAAATCACATTGCTGGAGCTAGAAAATGTGCCTCA
 TAACCCCAAGTCCAGTTTTTGGATAAGCCTATCTCAATAGCACTTTGCATTGGGGGTATAACTTTCTT
 CTCTCAGAAACACAAGGTTCTTTGAACCAATGGAGTTAAGTGGGCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217145 representing NM_029010
 Red=Cloning site Green=Tags(s)

MPPDLPSLLLRLVLLLLSQAEARSFVVDREHDFLLDGVPPFRYVSGSLHYFRVPPVWADRLKMQLSG
 LNAVQFYVPWNYHEPEPGIYNFNRSRDLIAFLNEAAKVNLLVILRPGPYICAEWEMGGLPSWLLRNPNIH
 LRTSDPAFLEAVDSWFKVLLPKIYPFLYHNGGNIISIQVENEYGSYKACDFKYMRLAGLFRALLGDKIL
 LFTTDGPHGLRCSLQGLYTTIDFGPADNVTRIFSLREYEPHGPLVNSEYYTGWLDYWGQNHSTRSSPA
 VAQGLEKMLKLGASVNMFMFHGGTNFGYWNGADEKGRFLPITTSYDYDAPISEAGDPTPKLFAIRNVISK
 FQEIPLGPLPPSPKMKFGPLTMSLDGNLLSFLDFLCPQGPVHSLVPLTFEAVKLDHGFMLYRXYLTSVP
 LEPTPFWVPPNNGIHDRAYVMVDGVLKGVLESLKQELYLGTGTRLDILLENMGRLSFGSNHSDFKGLL
 EAPLLGQITLTEWMMFPLKVDKLVKWWFPLQLMKRALPQASSVPAFYSAKFPVFGLLGDTFLYLPGWTKG
 QVWINGFNLGRYWTMRGPQQLYVPRLLLFGRSINKITLLELENVPHNPQVFLDKPILNSTLHWGYNFL
 LSETQGSFEPMELSGH

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_029010

ORF Size: 1938 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_029010.2](#)

RefSeq Size: 3451 bp

RefSeq ORF: 1941 bp

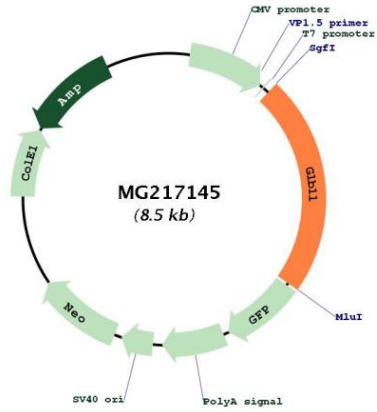
Locus ID: 74577

UniProt ID: [Q8VC60](#)

Cytogenetics: 1 C4

Gene Summary: Probable glycosyl hydrolase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217145