

Product datasheet for **MG217287**

Glt8d1 (NM_029626) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Glt8d1 (NM_029626) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Glt8d1 |
| Synonyms: | 2410004H05Rik; 5430414N14Rik; AI450005 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG217287 representing NM_029626 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATTCCGTAAGTGAACATCATCATCTGGGTCCTGGCTGTTGTTCTTCTTACTGGTTTTGCACC
ATAACTTCCTCAGCTTGAGCAGTTTGTAAAGAATGACATTTAGATTTCGGGAATTGGGGCTTCAGCC
CATAGACTTTGTCGCCAGTGCTCATCAGCATCCAGTGAGTGAGAGGCAAGAGGAGATCCCGTGGTTATT
GCTGCCTCTGAAGACAGGCTGGGTGGGACCATTGCAGCCATAAACAGCGTTCATCAAACACGCGCTCCA
ATGTGATGTTTTACATTGTTACATTCAACAGCACAGCAGACCATCTCCGGTCTGGCTTAACAGTGGTTC
CTTGAAAAGCATCAGGTACAAAATTGTAATTTTACACTAACTTTTGAAGGGAAAGTAAAGCAGGAT
CCTGACCAGGGGAGTCCATGAAACCATTAACCTTTGCAAGGTTCTACTTGCCAATTCTGGTCCCAAGT
CAAAGAAAGCCATATACATGGATGATGATGTCATTGTACAAGGTGACATACTTGCCCTGTACAATACACC
ACTGAAGCCAGGACATGCTGCTGCGTTTTTCCAGAAAGATTGTGACTCAGCCTCCACTAAAGTCATATCCGG
GGAGCAGGGAACCAAGTACAATTACATTGGTTATCTTGACTATAAAAAGGAAAGAATTTCGTAACCTTTCCA
TGAAAGCCAGCACCTGTTCCCTTAATCCTGGAGTTTTTGTGCAAACTTGACTGAATGGAAAAGACAGAA
TGTAACAAACAGTTGGAAAAATGGATGAAGCTCAATGTAGAAGAGGGATTATACAGCAGAATCTGGCA
GGCAGCATCACCAACCTCTCTGCTTATCGTATTTTATCAGCAGCATTCCACCATTGACCCTATGTGGA
ATGTCCGCATCTTGGTCCAGTGTGGAAAACGGTACTCACCCAGTTTGTAAAAGCTGCCAAGTTACT
TCACTGGAATGGTCACTTCAAGCCTTGGGGAAGAAGTCTTCATATGCTGATGTTTGGGAAAAGTGGTAT
ATTCCAGACCAACAGGAAAATTCAGTTTAATCCGAAGACATATGGATACCTCAAACATAAAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217287 representing NM_029626
 Red=Cloning site Green=Tags(s)

MSFRKVNIIWVLAVVLFLLVLHFNLSLSSLLKNDISDSGIVGLQPIDFVASAHQHPVSEERQEEIPVVI
 AASEDRLLGGTIAAINSVHQNTRSVMFYIVTFNSTADHLRSWLNLSGLKSIKYIVNFDTKLLEGGKVKQD
 PDQGESMKPLTFARFYLPILVPSAKKAIYMDDDIVVQGDILALYNTPLKPGHAAAFSEDCDSASTKVIIR
 GAGNQYNYIGYLDYKKERIRKLSMKASTCSFNPGVFVANL TEWKRQNVNQLKWMKLNVEEGLYSRTLA
 GSITTPLLIIVFYQQHSTIDPMWNVRLHGSSAGKRYSPQFVKAAKLLHWNGHFKPWGRTASYADVWEKWI
 IPDPTGKFLIRRHMDTSNIK

TRTRPLE - GFP Tag - V

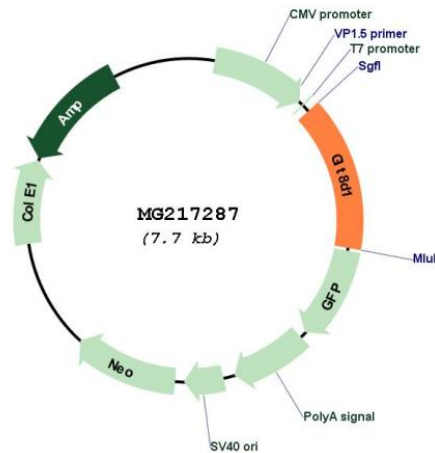
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_029626

| | |
|-------------------------------|---|
| ORF Size: | 1113 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: | <ol style="list-style-type: none">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_029626.2 , NP_083902.2 |
| RefSeq Size: | 2485 bp |
| RefSeq ORF: | 1116 bp |
| Locus ID: | 76485 |
| UniProt ID: | Q6NSU3 |
| Cytogenetics: | 14 B |
| Gene Summary: | This gene encodes a member of the glycosyltransferase family. The encoded protein is a type II transmembrane protein containing a glycosyltransferase 8 domain in the luminal (C-terminal) portion. The specific function of this protein has not been determined. Two alternatively spliced variants encoding the same isoform have been described. [provided by RefSeq, Sep 2009] |