

## Product datasheet for **MG205730**

### 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:	>MG205730 representing NM_029626 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCATTCCGTAAGTGAACATCATCATCTGGGTCCTGGCTGTTGTTCTTCTTACTGGTTTTGCACC  
ATAACTTCCTCAGCTTGAGCAGTTTGTTAAAGAATGACATTTAGATTTCGGGAATTGGGGCTTCAGCC  
CATAGACTTTGTCGCCAGTGCTCATCAGCATCCAGTGAGTGAGAGGCAAGAGGAGATCCCGTGGTTATT  
GCTGCCTCTGAAGACAGGCTGGTGGGACCATTGCAGCCATAAACAGCGTTCATCAAACACGCGCTCCA  
ATGTGATGTTTTACATTGTTACATTCAACAGCACAGCAGACCATCTCCGGTCTGGCTTAACAGTGGTTC  
CTTGAAAAGCATCAGGTACAAAATTGTAATTTTACACTAACTTTTGGAAAGGAAAGTAAAGCAGGAT  
CCTGACCAGGGGAGTCCATGAAACCATTAACCTTTGCAAGGTTCTACTTGCCAATTCTGGTCCCAAGT  
CAAAGAAAGCCATATACATGGATGATGATGTCATTGTACAAGGTGACATACTTGCCCTGTACAATACACC  
ACTGAAGCCAGGACATGCTGCTGCGTTTTTCCAGAAAGATTGTGACTCAGCCTCCACTAAAGTCATATCCGG  
GGAGCAGGGAACCAAGTACAATTACATTGGTTATCTTGACTATAAAAAGGAAAGAATTTCGTAACCTTTCCA  
TGAAAGCCAGCACCTGTTCCCTTAATCCTGGAGTTTTTGTGCAAACTTGACTGAATGGAAAAGACAGAA  
TGTAACATAACAGTTGGAAAAATGGATGAAGCTCAATGTAGAAGAGGGATTATACAGCAGAATCTGGCA  
GGCAGCATCACCAACCTCTCTGCTTATCGTATTTTATCAGCAGCATTCCACCATTGACCCTATGTGGA  
ATGTCCGCATCTTGGTTCCAGTGTGGAAAACGGTACTCACCCAGTTTGTAAGCTGCAAGTTACT  
TCACTGGAATGGTCACTTCAAGCCTTGGGGAAGAAGTCTTCATATGCTGATGTTTGGGAAAAGTGGTAT  
ATTCCAGACCAACAGGAAAATTCAGTTTAATCCGAAGACATATGGATACCTCAAACATAAAG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205730 representing NM\_029626  
 Red=Cloning site Green=Tags(s)

MSFRKVNIIWVLAVVLFLLVLHHNFLSLSSLLKNDISDSGIVGLQPIDFVASAHQHPVSERQEEIPVVI  
 AASEDRLLGGTIAAINSVHQNTRSVMFYIVTFNSTADHLRSWLNLSGLKSIKYIVNFDTKLLEGKVKQD  
 PDQGESMKPLTFARFYLPILVPSAKKAIYMDDDIVVQGDILALYNTPLKPGHAAAFSEDCDSASTKVIIR  
 GAGNQYNYIGYLDYKKERIRKLSMKASTCSFNPGVFVANL TEWK RQNV TNQLEKWMKLNVEEGLYSRTLA  
 GSITTPLLIVFYQQHSTIDPMWNVRLHGSSAGKRYSPQFVKAAKLLHWNGHFKPWGRTASYADVWEKWI  
 IPDPTGKFLIRRHMDTSNIK

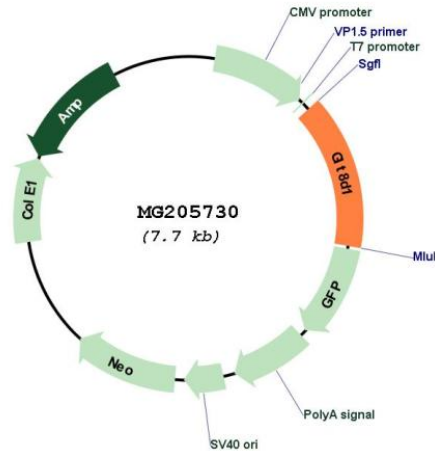
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_029626

<b>ORF Size:</b>	2482 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_029626.2</a> , <a href="#">NP_083902.2</a>
<b>RefSeq Size:</b>	1758 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	76485
<b>UniProt ID:</b>	<a href="#">Q6NSU3</a>
<b>Cytogenetics:</b>	14 B
<b>Gene Summary:</b>	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]