

## Product datasheet for **RG221665**

### GLT8D1 (NM\_001010983) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GLT8D1 (NM_001010983) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GLT8D1
Synonyms:	AD-017; MSTP139
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221665 representing NM_001010983 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCATTCCGTAAGTAAACATCATCATCTTGGTCCTGGCTGTTGCTCTTCTTACTGGTTTTGCACC  
ATAACTTCCTCAGCTTGAGCAGTTTGTTAAGGAATGAGGTTACAGATTACAGGAATTGAGGGCCTCAACC  
TATAGACTTTGTCCAAATGCTCTCCGACATGCAGTAGATGGGAGACAAGAGGAGATTCTGTGGTCATC  
GCTGCATCTGAAGACAGGCTTGGGGGGCCATTGCAGCTATAAACAGCATTACAGACAACACTCGCTCCA  
ATGTGATTTTCTACATTGTTACTCTCAACAATACAGCAGACCATCTCCGGTCTGGCTCAACAGTGATTC  
CCTGAAAAGCATCAGATACAAAATTGTCAATTTGACCCTAAACTTTTGGAAAGGAAAAGTAAAGGAGGAT  
CCTGACCAGGGGAATCCATGAAACCTTTAACCTTTGCAAGGTTCTACTTGCCAATTCTGGTTCCAGCG  
CAAAGAAGGCCATATACATGGATGATGTAATTGTGCAAGGTGATATTCTTGCCCTTTACAATACAGC  
ACTGAAGCCAGGACATGCAGCTGCATTTTACAGAAGATTGTGATTCAGCCTCTACTAAAGTTGTCATCCGT  
GGAGCAGGAAACAGTACAATTACATTGGCTATCTTGACTATAAAAAGGAAAAGAAATTCGTAAGCTTTCCA  
TGAAAGCCAGCACTTGCTCATTTAATCCTGGAGTTTTTGTGCAAACCTGACGGAATGGAACGACAGAA  
TATAACTAACCACTGGAAAAATGGATGAAACTCAATGTAGAAGAGGGACTGTATAGCAGAACCCTGGCT  
GGTAGCATCACAAACCTCCTCTGCTTATCGTATTTTATCAACAGCACTTACCATCGATCCTATGTGGA  
ATGTCCGCCACCTTGGTTCCAGTCTGGAAAACGATATTACCTCAGTTTGTAAAAGGCTGCCAAGTTACT  
CCATTGGAATGGACATTTGAAGCCATGGGGAAGGACTGCTTCATATACTGATGTTTGGGAAAAATGGTAT  
ATTCCAGACCCAACAGGCAAATTC AACCTAATCCGAAGATATACCGAGATCTCAAACATAAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG221665 representing NM\_001010983  
 Red=Cloning site Green=Tags(s)

MSFRKVNIIILVLAVALFLLVLHFNLSLSSLLRNEVTDSGIVGPQPIDFVPNALRHAVDGRQEEIPVVI  
 AASEDRLGGAIAAINSIOHNTRSNIYFIVTLNNTADHLRSWLNSDSLKSIRYKIVNFDPKLLEGKVKED  
 PDQGESMKPLTFARFYLPILVPSAKKAIYMDDDVIVQGDILALYNTALKPGHAAAFSEDCDSASTKVIR  
 GAGNQYNYIGYLDYKKERIRKLSMKASTCSFNPGVFVANL TEWKRONITNQLEKWMKLNVEEGLYSRTLA  
 GSITTPLLIVFYQQHSTIDPMWNVRHLGSSAGKRYSPQFVKAAKLLHWNGHLKPWGRTASYTDVWEKWI  
 IPDPTGKFNLIRRYTEISNIK

TRTRPLE - GFP Tag - V

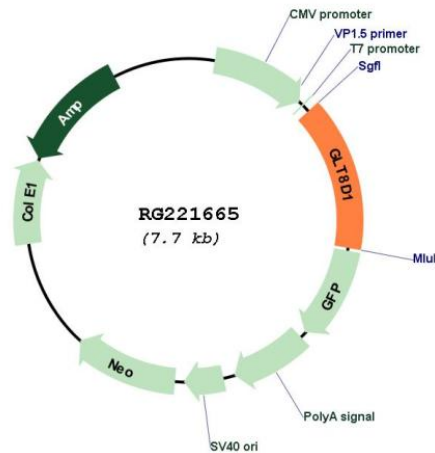
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001010983

<b>ORF Size:</b>	1113 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_001010983.2</a> , <a href="#">NP_001010983.1</a>
<b>RefSeq Size:</b>	2347 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	55830
<b>UniProt ID:</b>	<a href="#">Q68CQ7</a>
<b>Cytogenetics:</b>	3p21.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	This gene encodes a member of the glycosyltransferase family. The specific function of this protein has not been determined. Alternative splicing results in multiple transcript variants of this gene [provided by RefSeq, May 2013]