

## Product datasheet for RC218632

### GLT8D1 (NM\_018446) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GLT8D1 (NM_018446) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GLT8D1
Synonyms:	AD-017; MSTP139
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218632 representing NM_018446 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCATTCCGTAAGTAAACATCATCATCTTGGTCCTGGCTGTTGCTCTCTTCTACTGGTTTTGCACC  
ATAACTTCCTCAGCTTGAGCAGTTTGTAAAGGAATGAGGTTACAGATTACAGGAATGTAGGGCCTCAACC  
TATAGACTTTGTCCAAATGCTCTCCGACATGCAGTAGATGGGAGACAAGAGGAGATTCTGTGGTCATC  
GCTGCATCTGAAGACAGGCTTGGGGGGCCATTGCAGCTATAAACAGCATTACAGACAACACTCGCTCCA  
ATGTGATTTTCTACATTGTTACTCTCAACAATACAGCAGACCATCTCCGGTCTGGCTCAACAGTGATTC  
CCTGAAAAGCATCAGATACAAAATTGTCAATTTGACCCTAAACTTTTGAAGGAAAAGTAAAGGAGGAT  
CCTGACCAGGGGAATCCATGAAACCTTAACTTTGCAAGGTTCTACTTGCCAATTCTGGTTCCAGCG  
CAAAGAAGGCCATATACATGGATGATGTAATTGTGCAAGGTGATATTCTTGCCCTTACAATACAGC  
ACTGAAGCCAGGACATGCAGCTGCATTTTCAAGATTGTGATTCAGCCTCTACTAAAGTTGTCATCCGT  
GGAGCAGGAAACAGTACAATTACATTGGCTATCTTGACTATAAAAAGGAAAAGATTTCGTAAGCTTTCCA  
TGAAAGCCAGCACTTGCTCATTTAATCCTGGAGTTTTTGTGCAAACCTGACGGAATGGAACGACAGAA  
TATAACTAACCACTGGAAAAATGGATGAACTCAATGTAGAAGAGGGACTGTATAGCAGAACCCTGGCT  
GGTAGCATCACAACTCCTCTGCTTATCGTATTTTATCAACAGCACTTACCATCGATCCTATGTGGA  
ATGTCCGCCACCTTGGTTCCAGTCTGGAAAACGATATTACCTCAGTTTGTAAAAGGCTGCCAAGTTACT  
CCATTGGAATGGACATTTGAAGCCATGGGGAAGGACTGCTTCATATACTGATGTTTGGGAAAAATGGTAT  
ATTCCAGACCCAACAGGCAAATTC AACCTAATCCGAAGATATACCGAGATCTCAAACATAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC218632 representing NM\_018446  
Red=Cloning site Green=Tags(s)

MSFRKVNIIILVLAVALFLLVLHHNFLSLSSLLRNEVTDSGIVGPQPIDFVPNALRHAVDGRQEEIPVVI  
 AASEDRLGGAIAAINSIOHNTRSNIYFYIVTLNNTADHLRSWLNDSLKSIKYKIVNFDPKLLEGVKED  
 PDQGESMKPLTFARFYLPILVPSAKKAIYMDDDVIVQGDILALYNTALKPGHAAAFSEDCDSASTKVVIR  
 GAGNQYNYIGYLDYKKERIRKLSMKASTCSFNPGVFVANL TEWKQRQITNQLEKWMKLNVEEGLYSRTLA  
 GSITTPPLLIVFYQGHSTIDPMWNVRLHGSSAGKRYSPQFVKAAKLLHWNGHLKPWGRTASYTDVWEKWY  
 IPDPTGKFNLIRRYTEISNIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6443\\_a05.zip](https://cdn.origene.com/chromatograms/mk6443_a05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018446

**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:**

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\\_018446.3](#)

**RefSeq Size:** 2118 bp

**RefSeq ORF:** 1116 bp

**Locus ID:** 55830

**UniProt ID:** [Q68CQ7](#)

**Cytogenetics:** 3p21.1

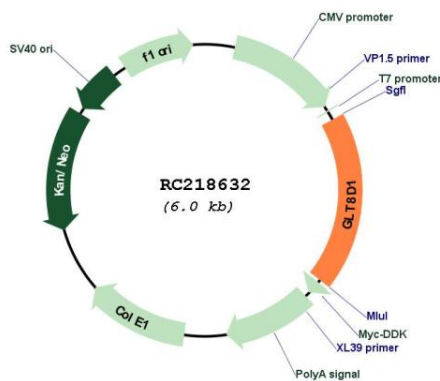
**Domains:** Glyco\_transf\_8

**Protein Families:** Transmembrane

**MW:** 41.8 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for RC218632