

Product datasheet for **RC237791**

GLT8D1 (NM_001278281) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLT8D1 (NM_001278281) 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:	>RC237791 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATTCCGTAAGTAAACATCATCATCTTGGTCCTGGCTGTTGCTCTCTTCTACTGGTTTTGCACC
ATAACTTCCTCAGCTTGAGCAGTTTGTAAAGGAATGAGGTTACAGATTACAGGAATTGAGGGCCTCAACC
TATAGACTTTGTCCAAATGCTCTCCGACATGCAGTAGATGGGAGACAAGAGGAGATTCTGTGGTCATC
GCTGCATCTGAAGACAGGCTTGGGGGGCCATTGCAGCTATAAACAGCATTACAGACAACACTCGCTCCA
ATGTGATTTTCTACATTGTTACTCTCAACAATACAGCAGACCATCTCCGGTCTGGCTCAACAGTGATTC
CCTGAAAAGCATCAGATACAAAATTGTCAATTTGACCCTAAACTTTGGAAAGGAAAAGTAAAGGAGGAT
CCTGACCAGGGGAATCCATGAAACCTTAAACCTTGAAGGTTCTACTTGCCAATTCTGGTTCCAGCG
CAAAGAAGGCCATATACATGGATGATGTAATTGTGCAAGGTGATATTCTTGCCCTTACAATACAGC
ACTGAAGCCAGGACATGCAGCTGCATTTTCAAGATTGTGATTCAGCCTCTACTAAAGTTGTCATCCGT
GGAGCAGGAAACAGTACAATTACATTGGCTATCTTGACTATAAAAAGGAAAAGATTTCGTAAGCTTTCCA
TGAAAGCCAGCACTTGCTCATTTAATCCTGGAGTTTTTGTGCAAACCTGACGGAATGGAACGACAGAA
TATAACTAACCACTGGAAAAATGGATGAACTCAATGTAGAAGAGGGACTGTATAGCAGAACCCTGGCT
GGTAGCATCACAAACCTCCTCTGCTTATCGTATTTTATCAACAGCACTTACCATCGATCCTATGTGGA
ATGTCGCCACCTTGGTTCCAGTGTGGAAAACGATATTACCTCAGTTTGTAAAGGCTGCCAAGTTACT
CCATTGGAATGGACATTTGAAGCCATGGGGAAGGACTGCTTCATATACTGATGTTTGGGAAAATGGTAT
ATTCCAGACCAACAGGCAAATTC AACCTAATCCGAAGATATACCGAGATCTCAAACATAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC237791 protein sequence
Red=Cloning site Green=Tags(s)

MSFRKVNIIILVLAVALFLLVLHHNFLSLSSLLRNEVTDSGIVGPQPIDFVPNALRHAVDGRQEEIPVVI
 AASEDRLGGAIAAINSIOHNTRSNIYFYIVTLNNTADHLRSWLNDSLKSIKYKIVNFDPKLLEGVKED
 PDQGESMKPLTFARFYLPILVPSAKKAIYMDDDVIVQGDILALYNTALKPAAAAFSEDCDSASTKVVIR
 GAGNQYNYIGYLDYKKERIRKLSMKASTCSFNPGVFVANL TEWKQRQITNQLEKWMKLNVEEGLYSRTLA
 GSITTPPLLIVFYQGHSTIDPMWNVRLHGSSAGKRYSPQFVKAAKLLHWNGHLKPWGRTASYTDVWEKWY
 IPDPTGKFNLIRRYTEISNIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKVK

Chromatograms: https://cdn.origene.com/chromatograms/mk6443_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001278281

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_001278281.1](#), [NP_001265210.1](#)

RefSeq Size: 2138 bp

RefSeq ORF: 1116 bp

Locus ID: 55830

UniProt ID: [Q68CQ7](#)

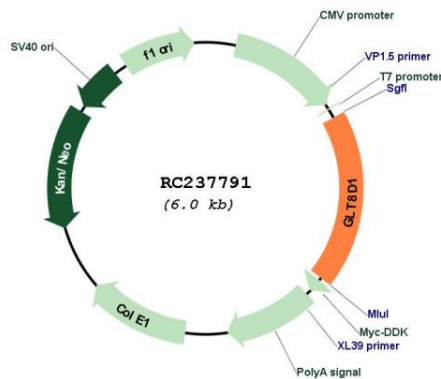
Cytogenetics: 3p21.1

Protein Families: Transmembrane

MW: 41.9 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 RC237791