

Product datasheet for **RG237790**

GLT8D1 (NM_001278280) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLT8D1 (NM_001278280) 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:	>RG237790 representing NM_001278280. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCATTCCGTAAGTAAACATCATCATCTTGGTCTGGCTGTTGCTCTCTTACTGGTTTTGCAC
CATAACTTCCTCAGCTTGAGCAGTTTGTAAAGGAATGAGGTTACAGATTCAGGAATTGTAGGGCCTCAA
CCTATAGACTTTGTCCAAATGCTCTCCGACATGCAGTAGATGGGAGACAAGAGGAGATTCCTGTGGTC
ATCGCTGCATCTGAAGACAGGCTTGGGGGGCCATTGCAGCTATAAACAGCATTACAGCACAACACTCGC
TCCAATGTGATTTCTACATTGTTACTCTCAACAATACAGCAGACCATCTCCGGTCTGGCTCAACAGT
GATTCCTGAAAAGCATCAGATACAAAATGTCAATTTGACCCTAAACTTTTGAAGGAAAAGTAAAG
GAGGATCCTGACCAGGGGAATCCATGAAACCTTTAACCTTTGCAAGTTCTACTTGCCAATTCTGGTT
CCCAGCGCAAAGAAGGCCATATACATGGATGATGATGTAATTGTGCAAGGTGATATTCTTGCCCTTAC
AATACAGCACTGAAGCCAGGACATGCAGCTGCATTTTCAGAAGATTGTGATTACAGCCTCTACTAAAGTT
GTCATCCGTGGAGCAGGAAACCAGTACAATTACATTGGCTATCTTGACTATAAAAAGGAAAGAAATTCGT
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AAACGACAGAATAAATAACCAACTGGAAAAATGGATGAACTCAATGTAGAAGAGGGACTGTATAGC
AGAACCCTGGCTGGTAGCATCACAAACCTCCTCTGCTTATCGTATTTTATCAACAGCAGCTTACCATC
GATCCTATGTGGAATGTCCGCCACCTTGGTTCCAGTGCTGGAAAACGATATTCACCTCAGTTTGTAAAG
GCTGCCAAGTTACTCCATTGGAATGGACATTTGAAGCCATGGGGAAAGGACTGCTTCATATACTGATGTT
TGGGAAAAATGGTATATTCCAGACCCAACAGGCAAATTCACCTAATCCGAAGATATACCGAGATCTCA
AACATAAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237790
 Blue=ORF Red=Cloning site Green=Tag(s)

MSFRKVNIIILVLAVALFLLVLHFNLSLSSLLRNEVTDSGIVGPQPIDFVPNALRHAVDGRQEEIPVV
 IAASEDRLGGAIAAINS IQHNTRS NVIFYIVTLNNTADHLRSWLNDSLKSI RYKIVNFDPK LLEGKVK
 EDPDQGESMKPLTFARFYLPILVPSAKKAIYMDDDVI VQGDILALYNTALKPGHAAAFSEDCDSASTKV
 VIRGAGNQYNYIGYLDYKKERIRKLSMKASTCSFNPGVFVANL TEWKQRNITNQLEKWMKLNVEEGLYS
 RTLAGSITTPPLLI VFYQQHSTIDPMWVVRHLGSSAGKRYSPQFVKA AKLLHWNHGLKPGWRTASYTDV
 WEKWYIPDPTGKFNLIRRYTEISNIK
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278280

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).

RefSeq: [NM_001278280.1](#), [NP_001265209.1](#)

RefSeq Size: 2390 bp

RefSeq ORF: 1116 bp

Locus ID: 55830

UniProt ID: [Q68CQ7](#)

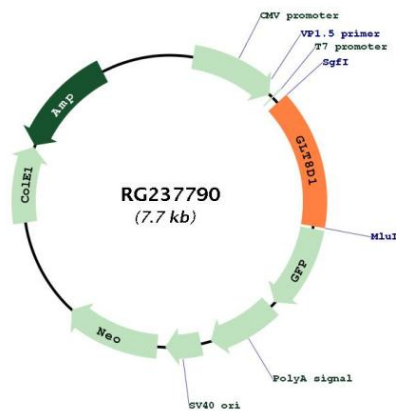
Cytogenetics: 3p21.1

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 RG237790