

Product datasheet for **RG224810**

GLT8D1 (NM_152932) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLT8D1 (NM_152932) 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:	>RG224810 representing NM_152932 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATTCCGTAAGTAAACATCATCATCTTGGTCCTGGCTGTTGCTCTTCTTACTGGTTTTGCACC
ATAACTTCCTCAGCTTGAGCAGTTTGTTAAGGAATGAGGTTACAGATTACAGGAATTGAGGGCCTCAACC
TATAGACTTTGTCCAAATGCTCTCCGACATGCAGTAGATGGGAGACAAGAGGAGATTCTGTGGTCATC
GCTGCATCTGAAGACAGGCTTGGGGGGCCATTGCAGCTATAAACAGCATTACAGACAACACTCGCTCCA
ATGTGATTTTCTACATTGTTACTCTCAACAATACAGCAGACCATCTCCGGTCTGGCTCAACAGTGATTC
CCTGAAAAGCATCAGATACAAAATTGTCAATTTGACCCTAAACTTTTGAAGGAAAAGTAAAGGAGGAT
CCTGACCAGGGGAATCCATGAAACCTTTAACCTTTGCAAGGTTCTACTTGCCAATTCTGGTTCCAGCG
CAAAGAAGGCCATATACATGGATGATGTAATTGTGCAAGGTGATATTCTTGCCCTTTACAATACAGC
ACTGAAGCCAGGACATGCAGCTGCATTTTACAGAAGATTGTGATTCAGCCTCTACTAAAGTTGTCATCCGT
GGAGCAGGAAACCAAGTACAATTACATTGGCTATCTTGACTATAAAAAGGAAAAGAAATTCGTAAGCTTTCCA
TGAAAGCCAGCACTTGCTCATTTAATCCTGGAGTTTTTGTGCAAACCTGACGGAATGGAACGACAGAA
TATAACTAACCAACTGGAAAAATGGATGAACTCAATGTAGAAGAGGGACTGTATAGCAGAACCCTGGCT
GGTAGCATCACAAACCTCCTCTGCTTATCGTATTTTATCAACAGCACTTACCATCGATCCTATGTGGA
ATGTCCGCCACCTTGGTTCCAGTGTGGAAAACGATATTACCTCAGTTTGTAAAAGCTGCCAAGTTACT
CCATTGGAATGGACATTTGAAGCCATGGGGAAGGACTGCTTCATATACTGATGTTTGGGAAAAATGGTAT
ATTCCAGACCCAACAGGCAAATTC AACCTAATCCGAAGATATACCGAGATCTCAAACATAAAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224810 representing NM_152932
Red=Cloning site Green=Tags(s)

MSFRKVNIIILVLAVALFLLVLHHNFLSLSSLLRNEVTDSGIVGPQPIDFVPNALRHAVDGRQEEIPVVI
 AASEDRLGGAIAAINSIOHNTRSNIYIFYIVTLNNTADHLRSWLNDSLKSIYKIYVNFDPKLLLEGKVKED
 PDQGESMKPLTFARFYLPILVPSAKKAIYMDDDVIVQGDILALYNTALKPGHAAAFSEDCDSASTKVVIR
 GAGNQYNYIGYLDYKKERIRKLSMKASTCSFNPGVVFVANL TEWKRONITNQLEKWMKLNVEEGLYSRTLA
 GSITTPLLIVFYQQHSTIDPMWNVRHLGSSAGKRYSPQFVKAAKLLHWNGHLKPWGRTASYTDVWEKWy
 IPDPTGKFNLIRRYTEISNIK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152932

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_152932.2](#), [NP_690909.1](#)

RefSeq Size: 1635 bp

RefSeq ORF: 1116 bp

Locus ID: 55830

UniProt ID: [Q68CQ7](#)

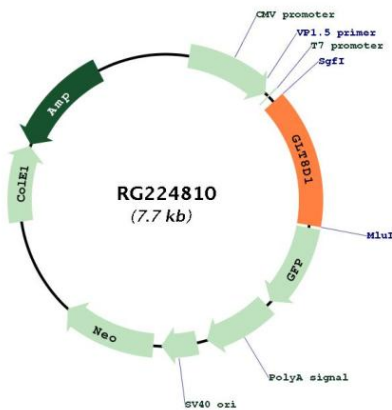
Cytogenetics: 3p21.1

Domains: Glyco_transf_8

Protein Families: Transmembrane

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 RG224810