

Product datasheet for MR205730

Glt8d1 (NM_001165930) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glt8d1 (NM_001165930) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glt8d1
Synonyms:	2410004H05Rik; 5430414N14Rik; AI450005
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205730 representing NM_001165930 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATTCGGTAAAGTGAACATCATCATCTGGGTCCTGGCTGTTGTTCTTCTTACTGGTTTTGCACC
ATAACTTCCTCAGCTTGAGCAGTTTGTAAAGAATGACATTTAGATTTCGGGAATGTGGGGCTTCAGCC
CATAGACTTTGTCGCCAGTGCTCATCAGCATCCAGTGAGTGAGAGGCAAGAGGAGATTCCCGTGGTTATT
GCTGCCTCTGAAGACAGGCTGGGTGGGACCATTGCAGCCATAAACAGCGTTCATCAAACACGCGCTCCA
ATGTGATGTTTTACATTGTTACATTCAACAGCACAGCAGACCATCTCCGGTCTGGCTTAACAGTGGTTC
CTTGAAAAGCATCAGGTACAAAATTGTAATTTTACACTAACTTTTGGAAAGGAAAGTAAAGCAGGAT
CCTGACCAGGGGAGTCCATGAAACCATTAACCTTTGCAAGGTTCTACTTGCCAATTCTGGTCCCAGTG
CAAAGAAAGCCATATACATGGATGATGATGTCATTGTACAAGGTGACATACTTGCCCTGTACAATACACC
ACTGAAGCCAGGACATGCTGCTGCGTTTTGAGAAGATTGTGACTCAGCCTCCACTAAAGTCATCATCCGG
GGAGCAGGGAACCAAGTACAATTACATTGGTTATCTTGACTATAAAAAGGAAAGAATTTCGTAACCTTTCCA
TGAAAGCCAGCACCTGTTCCCTTAATCCTGGAGTTTTGTTGCAAACTTGACTGAATGGAAAAGACAGAA
TGTAACAAACAGTTGGAAAAATGGATGAAGCTCAATGTAGAAGAGGGATTATACAGCAGAATCTGGCA
GGCAGCATCACCAACCTCTCTGCTTATCGTATTTTATCAGCAGCATTCCACCATTGACCCTATGTGGA
ATGTCGCAATCTTGGTCCAGTCTGGAAAACGGTACTCACCCAGTTTGTAAAAGCTGCCAAGTTACT
TCACTGGAATGGTCACTTCAAGCCTTGGGGAAGAAGTCTTCATATGCTGATGTTTGGGAAAAGTGGTAT
ATTCCAGACCAACAGGAAAATTCAGTTTAATCCGAAGACATATGGATACCTCAAACATAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205730 representing NM_001165930
 Red=Cloning site Green=Tags(s)

MSFRKVNIIWVLAVVLFLLVLHHNFLSLSSLLKNDISDSGIVGLQPIDFVASAHQHPVSEERQEEIPVVI
 AASEDRLGGTIAAINSVMHQNTRSNVMFYIVTFNSTADHLRSWLNHSGSLKSIRYKIVNFDTKLLEGKVKQD
 PDQGESMKPLTFARFYLPILVPSAKKAIYMDDDVIVQGDILALYNTPLKPGHAAAFSEDCDSASTKVIIR
 GAGNQYNYIGYLDYKKERIRKLSMKASTCSFNPGVVFVANL TEWKRQNVNQLKWKMLNVEEGLYSRTLA
 GSITTPPLLIVFYQHQHSTIDPMWNVRLHGSSAGKRYSPQFVKAAKLLHWNGHFKPWGRTASYADVWEKWY
 IPDPTGKFLIRRHMDTSNIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001165930

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_001165930.1](#), [NP_001159402.1](#)

RefSeq Size: 1956 bp

RefSeq ORF: 1116 bp

Locus ID: 76485

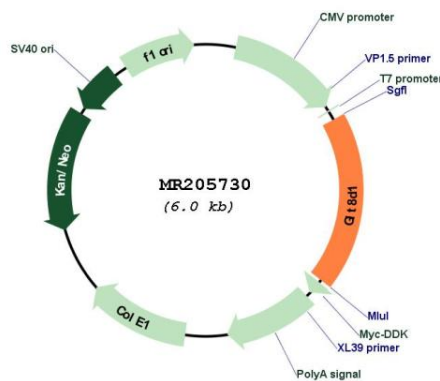
UniProt ID: [Q6NSU3](#)

Cytogenetics: 14 B

MW: 42 kDa

Gene Summary: This gene encodes a member of the glycosyltransferase family. The encoded protein is a type II transmembrane protein containing a glycosyltransferase 8 domain in the luminal (C-terminal) portion. The specific function of this protein has not been determined. Two alternatively spliced variants encoding the same isoform have been described. [provided by RefSeq, Sep 2009]

Product images:



Circular map for MR205730