

Product datasheet for **MG216596**

Glt1d1 (NM_177005) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Glt1d1
Synonyms: 5730455A04Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216596 representing NM_177005
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGCTCCTGTTCTGGCAGTACTGAGGCCTCACACTGGCAACGCGGTACAGCTGGGCGCTACGGG
ACCACCTAGAAGCTGCAGGCCACATGTGTCTGAGAGATGCCTTTGATTTTAAAAGCCCATCTGAAAT
TGCCAACTGATCATGGATGAAAATCTGGAAGCAGCACTAGCTCTCACCTCTACCGAGGAGGCAGACTT
CTGCAAGGTCACAGCATTCCTTCGGGGTCATCTTTGGTGGAACTGACTTAAATGAAGATGCCAATCACA
AAGAAAAAAGGAAGTCATGGGAAAAGTTCTGGAGGAAGCCAGGTTTGTGTGGCTTTCACCGAGGCAAT
GAAGGACACAGCTCAGGTGCAGTGGCCACATGCAACTGGGAAGATCTTTGTCCAGAGTCAAGGAATTGCA
ACAATACCAAATGCCAACTTAACTGGAACACCTTCTGCAGCAATCAGAGATTGACCAAAGCGCTGACA
ACCTGTACATATTCCTTATAATCTGTGGACTCAGACCGGTGAAGGATCCTGTACCTGTGGATGCATT
CTCAGAAATGGCATCAAGAAACACCCAAATGTTTACATGGTGATCGTAGGTCTGAGGTAGATCCAGTGTTT
ACAAGGGAAGTGAAGAGCGGGTGAGGAGGGCTGCAGGGGTGCGGCTGATCCGAGAGATGTGCCAGGAAG
ATCTGCATGCAGTGGTGAAGAGCTGCTTTGCGCTGGTCAACAGCTCCGTCTCCGAGGGCATGTCAGCTGC
CATCTTGGAGGCAATGGATTTGGAAGTCCCCTGCTAGCCAGGAACATCCCTGGAACTCGGCTGTGGTA
GAGCACGGAGTACCGGACTGCTGTTTCAAACCTCAGGAGTTCAATCAGTTGGCAAAGAGACTGGTTA
GCGATCCCGCACTGGAGAAGGAAATCGTGACCAACGGAAGGGAATACGTGAGGACGCATCATTCTGGCA
GGTGGAGAGACACCTACCAGCGCTCATCAGGAAGCTAGAGACGAACCTGGAGGAT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216596 representing NM_177005
 Red=Cloning site Green=Tags(s)

MRLFLAVLRPHTGNAVTAGRLRDHLEAAGHMCVLRDAFD FESPSEIANLIMDENLEAALALHLYRGGRL
 LQGH SIPFGVIFGGTDLNEDANHKEKKEVMGKVL EEARFAVAFTEAMKDTAQVQWPHATGKIFVQSQGIA
 TIPNANFNWNTFLQQSEIDQSADNLYIFLIICGLRPVKDPLYLVD AFSEWHQETPNVYMVIVGPEVDPVF
 TREVKERVRR AAGVRLIREMCQEDLHAVVKSCFALVNSSVSEGMSAAILEAMDLEVPVLARNIPGNSAVV
 EHGVTGLLFSNPQEF IQLAKRLVSDPALEKEIVTNGREYVRTHHSWQVERD TYQRLIRKLETNLED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_177005

ORF Size: 1038 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_177005.4](#), [NP_795979.2](#)

RefSeq Size: 1559 bp

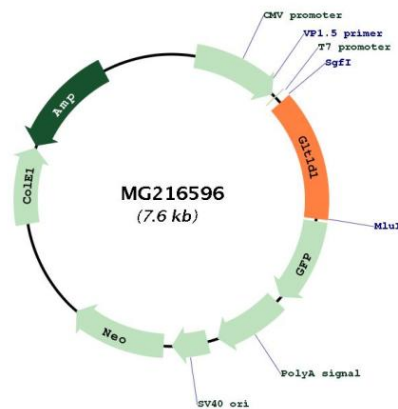
RefSeq ORF: 1041 bp

Locus ID: 319804

UniProt ID: [A4FUP9](#)

Cytogenetics: 5 G1.2

Product images:



Circular map for MG216596