

Product datasheet for **MG220773**

Glt6d1 (NM_001039095) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Glt6d1 (NM_001039095) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Glt6d1
Synonyms: 4933411C14Rik; GT6m7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220773 representing NM_001039095
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGCTAAAAGGAGGATTTTATTACAATTACTGACTTTCTGCCTTTTCCTGCTGCTGCTGGCAAAGA
TCCACTTCAGGAACCACCAGGAAGAGGAAGTCTGCTCTCAGACTGGTTTAACCCAGGAGACGCCTGGA
TGTCATCAGCACAGACTGGCTGGCCCCATCATATGGGAAGGCACCTTTGACAGAAAGGTCCTGGAG
ACATATTTAGGAAGCAGAACATCACCGTGGGTTGGCTGTGTTGCTGTTGGCAGTCTCACTGACAAGT
ACCTGGACCCATTCTTGCAATCAGCCAGCAAGTCTTCATGCCTGGCTATCGAGTGATCTTCTACATCAT
GGTGGATAAGTACCTGCAGCTACAAGAAATGGAGCACAACCTCTGCAATCCTTTCAAGTACTCAAATA
GGCAAGGAGAGGTGGTGGAGCAACTTTGACCTCATGCGCATGAAAATCTTGCTGAGCACATCCGGGATC
ACATCAGATATGAAGTGGATTTCTCTTCAGCATGAACATCAACATGGTCTTCCAAAGTGAGTTGGGGT
AGAGACTCTGAGCACATCTGTGGCTCAGCTCCATCCTTGGTGGTATTTCCGAAAGAGGACGAATCTACCC
TATGAGAGGAAACCTACATCAGTAGCCACATTCCTTTGGACTGGGGGACTTCTACTATGCTGGTGCCA
TTATAGGTGGAGTGCCCTTTAGGTCTTGGACTTTGCTCAGCAATACTTGAAAGGTGTTTCTTGGATAC
TGAAAATGGAGTTAACAGTACCTATGAAAAGTACCTCAACAAATATTTTTCTCAACAAACCTACCAAG
CTTCTATCCCCAGAATACAGCTGGGACCCTACCTCAACCTCCCTCGGCATGTGTGTTTGTCAAGATTG
CTCATACCCCATAGACACCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220773 representing NM_001039095
 Red=Cloning site Green=Tags(s)

MKAKRRILLQLLTFCLFLLLLAKIHFRNHQEEELLLSDWFNPRRRLDVITTTDWLAPIIWEGETFDRKYLE
 TYFRKQNIIVGLAVFAVGLSDTKYLDPFLQASAKFFMPGYRVIFYIMVDKYLQLQEMHNPLQSFQVLKI
 GKERWWSNFDLMRMKILSEHIRDHIRYEVDFLFSMNINMVFQSEFGVETLSTVAQLHPWWYFRKRTNLP
 YERKPTSAHIPFGLGDFYYAGAIIGVPPFQVLDFAQQYLKGVFLDTENGVNSTYEKYLNKYFFLNKPTK
 LLSPEYSWDPTFNLPRHVWFVKIAHHPIDTL

TRTRPLE - GFP Tag - V

Restriction Sites:

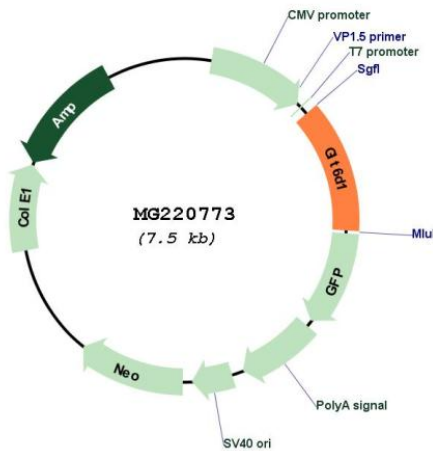
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001039095

ORF Size: 933 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:	<ol style="list-style-type: none">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_001039095.1 , NP_001034184.1
RefSeq Size:	1091 bp
RefSeq ORF:	936 bp
Locus ID:	71103
UniProt ID:	Q2NKH9
Cytogenetics:	2 A3