

## Product datasheet for **MR220773**

### Glt6d1 (NM\_001039095) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Glt6d1 (NM\_001039095) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Glt6d1  
**Synonyms:** 4933411C14Rik; GT6m7  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220773 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGCTAAAAGGAGGATTTTATTACAATTACTGACTTTCTGCCTTTTCTGCTGCTGCTGGCAAAGA  
TCCACTTCAGGAACCACCAGGAAGAGGAAGGAACTTCTGCTCTCAGACTGGTTTAACCCAGGAGACGCCTGGA  
TGTCATCAGCACACAGACTGGCTGGCCCCATCATATGGGAAGGCACCTTTGACAGAAAGGTCCTGGAG  
ACATATTTAGGAAGCAGAACATCACCGTGGGTTTGGCTGTGTTGCTGTTGGCAGTCTCACTGACAAGT  
ACCTGGACCCATTCTTGCAATCAGCCAGCAAGTCTTTCATGCCTGGCTATCGAGTGATCTTCTACATCAT  
GGTGGATAAGTACCTGCAGCTACAAGAAATGGAGCACAACCTCTGCAATCCTTTCAAGTACTCAAATA  
GGCAAGGAGAGGTGGTGGAGCAACTTTGACCTCATGCGCATGAAAATCTTGTCTGAGCACATCCGGGATC  
ACATCAGATATGAAGTGGATTTCTCTTTCAGCATGAACATCAACATGGTCTTCCAAAGTGAGTTGGGGT  
AGAGACTCTGAGCACATCTGTGGCTCAGCTCCATCCTTGGTGGTATTTCCGAAAGAGGACGAATCTACCC  
TATGAGAGGAAACCTACATCAGTAGCCACATTCCTTTGGACTGGGGGACTTCTACTATGCTGGTGCCA  
TTATAGGTGGAGTGCCCTTTAGGTCTTGGACTTTGCTCAGCAATACTTGAAGGTGTTTCTTGGATAC  
TGAAAATGGAGTTAACAGTACCTATGAAAAGTACCTCAACAAATATTTTTCTCAACAAACCTACCAAG  
CTTCTATCCCCAGAATACAGCTGGGACCCTACCTCAACCTCCCTCGGCATGTGTGGTTTGTCAAGATTG  
CTCATACCCCATAGACACCTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR220773 protein sequence  
Red=Cloning site Green=Tags(s)

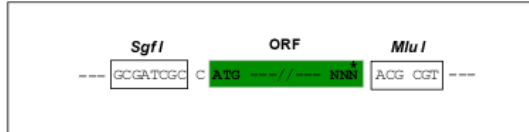
MKAKRRILLQLLTFCLFLLLLAKIHFRNHQEEELLLSDWFNPRRRLDVITTTDWLAPIIWEGTFDRKYLE  
 TYFRKQNTVGLAVFAVGLSDKYLDPFLQSASKFFMPGYRVIFYIMVDKYLQLQEMHNPLQSFQVLKI  
 GKERWWSNFDLMRMKILSEHIRDHIRYEVDFLFSMNINMVVFQSEFGVETLSTVAQLHPWYFRKRTNLP  
 YERKPTVAHIPFGLGDFYYAGAIIGGVPFQVLDFAQQYLKGVFLDTENGVNSTYEKYLNKYFFLNKPTK  
 LLSPEYSDPTFNLPRHVWFVKIAHHPIDTL

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\_001039095

**ORF Size:** 936 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\\_001039095.1](#), [NP\\_001034184.1](#)

**RefSeq Size:** 1091 bp

**RefSeq ORF:** 936 bp

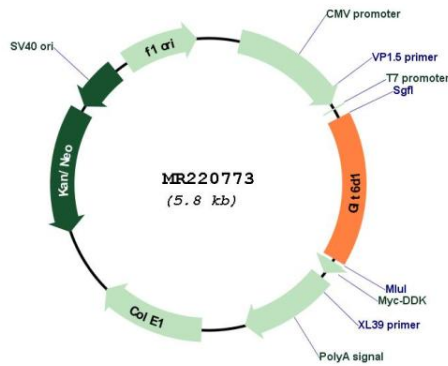
**Locus ID:** 71103

**UniProt ID:** [Q2NKH9](#)

**Cytogenetics:** 2 A3

**MW:** 37.1 kDa

**Product images:**



Circular map for MR220773