

## Product datasheet for **MR205462**

### **Ggt6 (NM\_027819) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ggt6 (NM_027819) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ggt6
Synonyms:	9030405D14Rik; AI427679; AW490214
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR205462 representing NM\_027819  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATGCCACCACAGGACCTGTGCACTATCACAAGCTACAACCTCTGGGAGCCTGGCGTGGAGTCAGAGG  
 AGGAGGAGGAGGAGGAAGAGGAAGAGATAGCAGAGCCACTGGTCTCTCCCTAAGGAGACTCCAAAATAC  
 CCCCCGGAACGAGGTTGGTGGGTTGCCAGGAGCCTGGGCCCGCCTGCTGGCAGGCTTGTGCTGCTGGCT  
 GTTAGCAGCTCTCTGGCTCTGAGGCAGCTGCACAGTAGGGACAGCCCAAGAGAACTTGGGCTCTGTGG  
 CCCCTCCAGCCAGCAGACTCCCATCGCCCTGGTGTGTACCACCACAGCGCCATTATCAGCCCGGCAGC  
 CACATGTTCCCAACTGGGCAAGAGTTGCTTGTGCTGGGGCAATGTCGTGGATGCTGGAGTTGGAGCA  
 GCTTTGTGCTGGCGGTGGTACATCCTCATGCAACAGGCTTAGGTGCCACATTCTGGGGTCTCTTCTACA  
 ATAGCTCTTCAGGAACTCAACTGCCCTGACAGCAGGCCCAACCAACTCTGGCCCCGGCCTGGGGCT  
 GCCCACGGGTCTGCCTGCTCTGCATTTGCTTCATGCCACTTCGGCCGCCTGCCCTGGCCACACCTGCTG  
 ACCAAGCCTGCCATGCTGGCTGAAAAGGCTTTGAGGTAGATGCACCCCTGGCAAACGCACTAGCCATCC  
 AGGGCACAAAGGGGCTCTGTCCATTGTTCTGCCATACCAATGGAACCCCACTGGGCCTTGGGGCTCGGGC  
 CACCAACCCCAACCTGGCAGCTGTATTACGCAGCGCAGCCCTGGCCTCCAGCCAGATCTCGCTGGGAAG  
 GCCTTGCTGAACCCGCTGGTCAGAGACCTGGGGTTAGAGTTACCTTCTGCTCAGCCCGTGCCTTCTTAG  
 AGCCTGCGCTGCAGCTTCTTCTGCCTCGGGGGTCTGTTACGACTCCTGGCCCTCAGCAGGTCCAGA  
 ACTTGTGGAAGTCTGGAGTCTACTCTTCACTCCAGGACACCCAGCTCTGCTCCCTGCCACCATTCTCTG  
 CAAACTGCTGAAACCCAGTGAGCAGTGCCTGGCCACCGTGGACAGCAACGGCTCCATGCTCCTCTCA  
 TCTCTCAATCAACAGTTCCTTTGGTCTGGACATCTATCCCAAGTACTGGTGTCTGCTCAGCAACT  
 GGAAGCCAGCCCTGCACCTAGTGCCTGGGCTGTCCACTCATCCTTCGTGACAACCTGGATGACACAGAA  
 GCCGATATGTTGGGATGGTGGCTTCAGGGATCTCCAGAGGGGCCAAAGCCATGACTTGCACCTTGCTCA  
 ATCATCTGGCAACACCCCAAATCCACAGCAGCCCGAGCATCAAAGACCCACAGAGGCCCTGGCATATG  
 TGGCAAGGGGCCCTACTGCAGGCGGTAGTCCATGCAGAACACGCCCATGTCTCCAGTGTCCCAGTGGC  
 TGCTGCCCTTTCAGGGGTAT

**ACCGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR205462 representing NM\_027819  
 Red=Cloning site Green=Tags(s)

MDATTGPVHYHKLQLWEPGVESEEEEEEEEEIEEPLVLSLRRQLQNTPRNEVGGLPGAWARLLAGLLLLA  
 VSSSLALRQLHSRDSRPNLGSVAPPASRHSRPGVYHHSII SPAATCSQLGQELLVAGGNVVDAGVGA  
 ALCLAVVHPHATGLGATFWGLFYNSSSGNSTALTAGPTQLLAPGLGLPTGLPALHLLHAHFGRLPWPHELL  
 TKPAMLAIEKGFVDAPLANALAIQGTKGLCPLFCHTNGTPLGLGARATNPNLAAVLRSAALASSPDLAGK  
 ALLNPLVRDLGLELPSAQPVPSLEPALQLLLPRGVLFITTPGPSAGPELVELLESTLHSRTPSSAPCPPFL  
 QTAETPVSSALATVDSNGSMILLISSINSSFGSGLSPSTGVLLSNLEASPAPSAWACPLILRDNLDDTE  
 ADMLGMVASGISRGAKAMTCTLLNHLATPQIPQPQHQRPTESPGICGQGALLQAVVHAHEAHVSSVPSG  
 CCPFQGY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

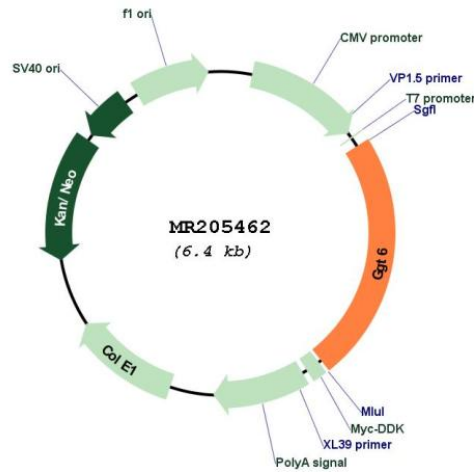
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_027819

ORF Size: 1491 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\\_027819.2](#), [NP\\_082095.2](#)

**RefSeq Size:** 1841 bp

**RefSeq ORF:** 1494 bp

**Locus ID:** 71522

**UniProt ID:** [Q6PDE7](#)

**Cytogenetics:** 11 B4

**MW:** 51.9 kDa

**Gene Summary:** Cleaves glutathione conjugates.[UniProtKB/Swiss-Prot Function]