

## Product datasheet for **MG205462**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ggt6 (NM_027819) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ggt6
Synonyms:	9030405D14Rik; AI427679; AW490214
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG205462 representing NM\_027819  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATGCCACCACAGGACCTGTGCACTATCACAAGCTACAACCTCTGGGAGCCTGGCGTGGAGTCAGAGG  
 AGGAGGAGGAGGAGGAAGAGGAAGAGATAGCAGAGCCACTGGTCCTCTCCCTAAGGAGACTCCAAAATAC  
 CCCCCGGAACGAGGTTGGTGGGTTGCCAGGAGCCTGGGCCCGCCTGCTGGCAGGCTTGTGCTGCTGGCT  
 GTTAGCAGCTCTCTGGCTCTGAGGCAGCTGCACAGTAGGGACAGCCCAAGAGGAACTTGGGCTCTGTGG  
 CCCCTCCAGCCAGCAGACTCCCATCGCCCTGGTGTGTACCACCACAGCGCCATTATCAGCCCGGCAGC  
 CACATGTTCCCAACTGGGCAAGAGTTGCTTGTGCTGGGGCAATGTCGTGGATGCTGGAGTTGGAGCA  
 GCTTTGTGCTGGCGGTGTACATCCTCATGCAACAGGCTTAGGTGCCACATTCTGGGGTCTCTTCTACA  
 ATAGCTCTTCAGGAACTCAACTGCCCTGACAGCAGGCCCAACCAACTCTGGCCCCGGCCTGGGGCT  
 GCCCACGGGTCTGCCTGCTCTGCATTTGCTTCATGCCACTTCGGCCGCCTGCCCTGGCCACACCTGCTG  
 ACCAAGCCTGCCATGCTGGCTGAAAAGGCTTTGAGGTAGATGCACCCCTGGCAAACGCACTAGCCATCC  
 AGGGCACAAAGGGGCTCTGTCCATTGTTCTGCCATACCAATGGAACCCCACTGGGCCTTGGGGCTCGGGC  
 CACCAACCCCAACCTGGCAGCTGTATTACGCAGCGCAGCCCTGGCCTCCAGCCAGATCTCGCTGGGAAG  
 GCCTTGCTGAACCCGCTGGTCAGAGACCTGGGGTTAGAGTTACCTTCTGCTCAGCCCGTGCCTTCTTAG  
 AGCCTGCCTGCAGCTTCTTCTGCCTCGGGGGTCTGTTACGACTCCTGGCCCTCAGCAGGTCCAGA  
 ACTTGTGGAAGTCTGGAGTCTACTCTTCACTCCAGGACCCAGCTCTGCTCCCTGCCACCATTCTCTG  
 CAAACTGCTGAAACCCAGTGAGCAGTGCCTGGCCACCGTGGACAGCAACGGCTCCATGCTCCTCCTCA  
 TCTCCTCAATCAACAGTTCCTTTGGTTCTGGACATCTATCCCAAGTACTGGTGTCTGCTCAGCAACT  
 GGAAGCCAGCCCTGCACCTAGTGCCTGGCCCTGTCCACTCATCCTTCGTGACAACCTGGATGACACAGAA  
 GCCGATATGTTGGGGATGGTGGCTTCAGGGATCTCCAGAGGGGCCAAAGCCATGACTTGCACCTTGCTCA  
 ATCATCTGGCAACACCCCAAATCCACAGCAGCCCGAGCATCAAAGACCCACAGAGGCCCTGGCATATG  
 TGGCAAGGGGCCCTACTGCAGGCGGTAGTCCATGCAGAACACGCCCATGTCTCCAGTGTCCCAGTGGC  
 TGCTGCCCTTTCAGGGGTAT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG205462 representing NM\_027819  
 Red=Cloning site Green=Tags(s)

MDATTGPVYHKLQLWEPGVESEEEEEEEEEIEPLVLSLRRQLQNTPRNEVGGLPGAWARLLAGLLLLA  
 VSSSLALRQLHSRDSRPNLGSVAPPASRHSRPGVYHHSII SPAATCSQLGQELLVAGGNVVDAGVGA  
 ALCLAVVHPHATGLGATFWGLFYNSSSGNSTALTAGPTQLLAPGLGLPTGLPALHLLHAHFGRLPWPHLL  
 TKPAMLAEKGFVDAPLANALAIQGTKGLCPLFCHTNGTPLGLGARATNPNLA AVLRSAALASSPDLAGK  
 ALLNPLVRDLGLELPSAQVPSLEPALQLLLPRGVLFPTPGPSAGPELVELLESTLHSRTPSSAPCPPFL  
 QTAETPVSSALATVDSNGSMLLLISSINSSFGSGLSPSTGVLLSNLEASPAPSAWACPLILRDNLDDTE  
 ADMLGMVASGISRGAKAMTCTLLNHLATPQIPQQPQHQRPTESPGICGQGALLQAVVHAHHAHVSSVPSG  
 CCPFQGY

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**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

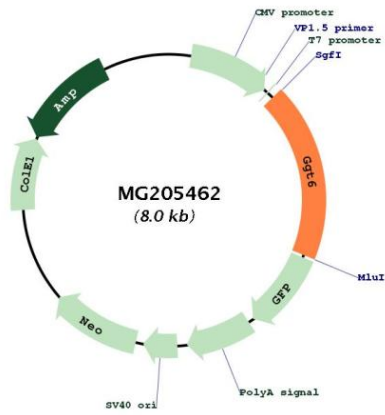
**Locus ID:** 71522

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

**Cytogenetics:** 11 B4

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

**Product images:**



Circular map for MG205462