

## Product datasheet for **MG217401**

### **Ttc39a (NM\_001145948) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ttc39a (NM_001145948) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ttc39a
Synonyms:	4922503N01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG217401 representing NM\_001145948  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTCAGAAGGGCCACAAGGACTCCCTTTATGATTGTAAGGGTCTCCTGTGAGCAGCTCCATGAGG  
 CCCTGGACCAGTGCATGACAGCCCTGGACCTCTTCCTTACCAACCAGTTCCTCAGAAGCACTCAGCTACCT  
 CAAACCCAGAACCAAGGAGAGCATGTATCACTCCCTGACGTATGCCACCATCCTGGAGATGCAGGCCATG  
 ATGACCTTCGACCCCCAGGACATCCTGCTTGTGGCAACATGATGAAAGAAGCGCAGTCGCTGTGCAGA  
 GGCATCGAAGGAAGTCTTCTATGACGGACTCATTAGCAACCTGGTGCACCGTCTACCATTGACCAGTT  
 CACAGAAGAGGAAATCCATGCAGAGGTCTGTTATGCAGAATGCCTACTACAGAGAGCGGCCCTGACCTTC  
 CTGCAGGACGAGAACATGGTGAAGTTCATCAAGGGCGGCATCAAAGTGCAGAACAGCTACCAGACTTACA  
 AGGAACTGGATAGCCTCGTCCAGTCTCGCAACTCTAAGGGAGAGGCCACAGACTTTGAAGGAGG  
 GGTGAAGCTTGGCGTAGGAGCCTCAACCTGACGCTGTCCATGCTTCCCACCAGGATTCTGAGGCTGCTG  
 GAGTTTGTGGGTTTTACAGGAAACAAGGACTATGGGCTGCTGCAGCTGGAGGAGGGCGCAACCCGGACACA  
 GCTTCCGTGACGTGCTGTGCGTCATGCTGTTGCTGTGTTATCACACCTTCTCACCTTCGTGCTCGGTAC  
 TGGAAATGTCAACATCGAGGAGGCAGAGAAGCTGCTGAAGCCCTACCTGAACCGATACCCCAAGGGCGCC  
 ATCTTCTGTTCTTTGCTGGCGGATTGAAGCTATCAAAGGAAATATTGATGCTGCTGTCCGGCGGTTTTG  
 AGGAGTGTGCGAGGCCAGCAGCACTGGAAGCAGTTTACCACATGTGCTACTGGGAGCTGATGTGGTG  
 CTTTACCTACAAGGGCCAGTGGAAAATGGCCTACTTCTACGCCGACCTGCTGAGCAAGGAGAAGCTCCTGG  
 TCCAAGGCCACCTACATCTACATGAAGGCTGCCTACCTCAGCATGTTTGGGAAGGAAGACTACAAGCCAT  
 TCGGGACAATGAAGTGGAGTTATTCAGGGCCGTGCCAGGCTTGAAGCTCAAGATTGCTGGGAAATCTCT  
 ACCCACAGAGAAGTTTGCTATCCGGAAGTCCAGGCGCTACCTCTCCCCCAACCCATCTCCTTGGCGATC  
 CCTGCTCTGGAATGATGTACATCTGGAATGGCTATGCTGTGATTGGGAAGCAGCCGACACTCACGGATG  
 GGATGCTGGAGGTATCACCAAGGCTGAAGAGATGCTGGCAATGGGCCAGAGAATGAGTACTCAGCAGA  
 TGACGACTGCTTGGTTAAATTGCTGAAAGGCTGTGTCTGAAATACCTGGGCCGAATCCAGGAGGCAGAG  
 GAGAATTCAGGAGCATTCTGCCAATGAAAAGAAGTAAATATGACCATTACTTGATTCCAAATGCC  
 TACTGAACTGGCCCTGCTATTTATGGAGCAAGGCAGAAATGAGGAGGCCATCAAACCTTAGAGTCTGC  
 AAAGCAAACTACAAGAACTACTCCATGGAGTCAAGGACACATTTTGAATCCAGGCAGCCACACTCCAG  
 GCCAGATCTTCCCTAGAAGATGGCAACAGATCTCTAGTCTCGTCAGTGTCTTTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG217401 representing NM\_001145948  
 Red=Cloning site Green=Tags(s)

MGQKGHKDSLVDCKGSPVSSLHEALDQCM TALDLFLTNQFSEALSYLKPRTKESMYHSLTYATILEMQAM  
 MTFDPQDILLAGNMKEAQLCQRHRRKSSMTDSFNLVHRPTIDQFTEEEIHAEVCYAECLLQRAALTF  
 LQDENMVSFIKGGIKVRNSYQTYKELDSLQSSQYSKGESHRHFEGGVKLVGAFNLTL SMLPTRILRLL  
 EFVFGSGNKDYGLLQLEEGATGHSFRAVLVCM LLLCYHTFLTFVLGTGNVNIIEAEKLLKPYLNRYPKGA  
 IFLFFAGRIEAIKGNIDAAVRRFEECC EAQQHWKQFHHMICYWELMWCFTYKQWKMAFYADLLSKENSW  
 SKATYIYMKAAYLSMFGKEDYKPFGDNEVELFRAVPGLK LKIAGKSLPTEKFAIRKSRRYLSNPISLPI  
 PALEMMYIWNQYAVIGKQPTLTDGMLEVITKAEEMLAMGPENEYSADDDCLVKLLKGLCLKYLGRIQEA  
 ENFRSISANEKIKYDHYLIPNALLELALLFMEQGRNEEAIKLLES AKQNYKNYSMESRTHFRIQAATLQ  
 ARSSLEDGNRSLVSSVSL

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001145948

**ORF Size:** 1734 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\\_001145948.1](#), [NP\\_001139420.1](#)

**RefSeq Size:** 2334 bp

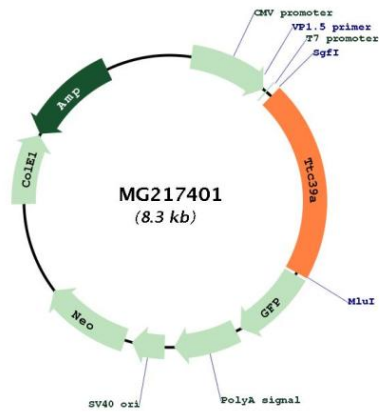
**RefSeq ORF:** 1737 bp

**Locus ID:** 230603

**UniProt ID:** [A2ACP1](#)

**Cytogenetics:** 4 C7

Product images:



Circular map for MG217401