

## Product datasheet for **MG218906**

### Ttc5 (NM\_177625) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ttc5 (NM\_177625) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ttc5  
**Synonyms:** 5930437N14; AW743060  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG218906 representing NM\_177625  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGCTGATGAAGAGGAAGAAGCGAAGCACGTCTTGCAGAAATTGCAGGGACTGGTGGATCGGCTCT  
 ACTGTTTTCGAGACAGTTACTTTGAGACACATAGTGTGGAAGATGCAGGACGGAAGCAGCAGGATGTACA  
 GGAAGAGATGGAGAAGACCCTGCAGCAGATGGAGGAAGTACTCGGTTCTGCCAGGTTGAGGCACAGGCT  
 CTGATGCTGAAGGGAAGGCACTGAATGTGACTCCTGATTATAGCCCTGAGGCCGAGGTGCTTCTCTCCA  
 AGGCCGTGAAGCTGGAGCCTGAGCTGGTGAAGCCTGGAACCAGCTGGGTGAGGTGACTGGAAGAAAGG  
 AGATGTCGCTGCTGCCACACCTGCTTCTCAGGAGCCCTCACCCACTGCAAGAACAAGTCTCTCTGCAG  
 AACTTGTCCATGGTGTCCGCCAGCTGCAGACCGACTCTGGAGATGAACATTCTCGCCACGTCATGGACA  
 CGCTCCGGCAGGCTAAGTTGGCCGTGCAGATGGATGTCCTTGATGGCCGCTCCTGGTGTGAGTGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG218906 representing NM\_177625  
 Red=Cloning site Green=Tags(s)

MMADEEEEEAKHVLQKLQGLVDRLYCFRDSYFETHSVEDAGRKQQDVQEEMKTLQMQEVLGSAQVEAQA  
 LMLKGGKALNVTPDYSPEAEVLLSKAVKLEPELVEAWNQLGEVYWKGDVASAHTCFSGALTHCKNKVSLQ  
 NLSMVLRLQQTDSGDEHSRHMDSVRQAKLAVQMDVLDGRSWCEC

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

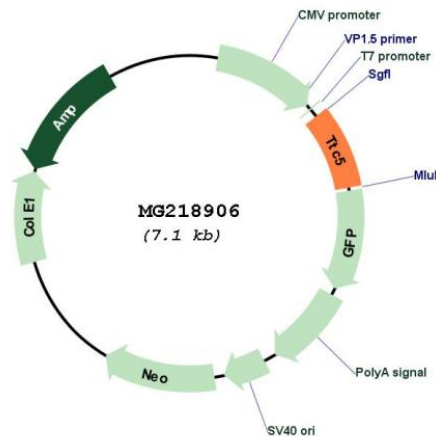


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_177625

ORF Size: 555 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.

|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u>NM_177625.4, NP_808293.1</u>   |
| <b>RefSeq Size:</b>           | 2403 bp   |
| <b>RefSeq ORF:</b>            | 558 bp  |
| <b>Locus ID:</b>              | 219022  |
| <b>Cytogenetics:</b>          | 14 C1   |
| <b>Gene Summary:</b>          | Adapter protein involved in p53/TP53 response that acts by regulating and mediating the assembly of multi-protein complexes. Required to facilitate the interaction between JMY and p300/EP300 and increase p53/TP53-dependent transcription and apoptosis. Prevents p53/TP53 degradation by MDM2.[UniProtKB/Swiss-Prot Function]   |