

## Product datasheet for **MG214852**

### **Tcp10c (NM\_001167578) Mouse Tagged ORF Clone**

#### **Product data:**

|                                  |  |
|----------------------------------|--|
| <b>Product Type:</b>             | Expression Plasmids                            |
| <b>Tag:</b>                      | TurboGFP                                       |
| <b>Symbol:</b>                   | Tcp10c   |
| <b>Synonyms:</b>                 | D17Leh66C; D17Leh66ca; Gm9880; T66C-a; Tcp-10c |
| <b>Mammalian Cell Selection:</b> | Neomycin                                       |
| <b>Vector:</b>                   | pCMV6-AC-GFP (PS100010)                        |
| <b>E. coli Selection:</b>        | Ampicillin (100 ug/mL)                         |



**ORF Nucleotide Sequence:** >MG214852 representing NM\_001167578  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTTGGAGGATCTGAGTCAAGGAAAAGGTCCAACCATAAGAAGAGGAAGATGGAGAGCACAGCCAGAG  
TCACTGAGGAAGACAGCAAGCTTGATGAGGTTGTGGGCTGCAGAAGCAGATCTGTGACCTTGGGACAGA  
GCTCACAAGACAATCATCTTGGTGGTGCCTAGCTCACAAAGACCTCCAAGCCAGATCGATGCTCTGATA  
AAGGAGAACCAGGAGATCCGTGCGGAGCTGAAGACCTTGAAGAAGCAGGATGCGGAGGCCACCAAAGCCT  
GTATAGGCTCGCCACCTCGGCAAGAGCAAGCAACACTCTGCCAGTGTACATAAAGATAGAGGGAATTGA  
TTCCGAGAGGACAACCTCATGGGATGAAAGAGATGAGCTTTCTGGAAGTCTCCAACAGAAAGCACAATG  
GCCACCGGAGGAACAGACTCCCAGGATGAAAGGCTGTCTTTACATCTGTGGATGAAAAGCCAGTGTACA  
TAAAGATAGAGGGAATTGATTCCGAGAGGACAACCTCATGGGATGAAAGAGATGAGCTTTCTGGAAGTCC  
TCCAACAGAAAGCACAATGGCCACCGGAGGAACAGACTCCCAGGATGAAAGGCTGTCTTTACATCTGTG  
GATGAAAAGGTTATACACATGTCTTCCAAATTTCTGCAAAGAAGCTTCGGCAGAATGTCACCAGAACCAC  
TGTCTGACAGCACATTCCTGGACACAGAGTCACTGGCTGACATCTGGTCTCAAATTCAGAGACTTCGGA  
CGGTGAACCTTCTCTGCATGCTCAAGCAAGCAGGGTCACTCCCTGTTTTTCCCAAATGCACTGTGGGTG  
CAGGTGGAGCGGATGCTCAGCGACGGGCAACCATCATCACCTCCCAAATGGAACCGAAGGAGATCA  
GTGCTGACAAGAAGACCACCTCATCAGGTTTTTTAACGGTGACATGAAGATCAAGTCCGATCAGAAAGC  
GATTTATTATTATGCGGACGCACAACAATGCACACAACCTACCCAGATGGTGTGAAAGTTGTGACGTTT  
CCTAACAGTGGACTGAAAAATCTACCCGGATGGCTCCAAGGAAACCGTGTTCCTGATGGGACAGTGA  
AACAGCTTAAGGATGGATGTGAAGAGACGGTGTCCCGATGGGACATTTGTGACAGTGAAGAGGAACGG  
AGACAAAACCATCATGTTCAAGCAACGGAGAGAAAAGAAATCCACACGGCCAGGTTCAAGCGGAAGGAATTC  
CCAGATGGCACCACCAAGACTGTGTATTGCAATGGCTGCCAGGAGACCAAGTATGCCTCAGGGAGGGTCA  
GGTCAAAGATGAGAAGGGAAGTGTATCTGGACTGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214852 representing NM\_001167578  
Red=Cloning site Green=Tags(s)

MLEDLSQGGKSNHKKRKMESTAQITEEDSKLDEVVGLQKQICDLGTELTRQSSWWCVAHKDLQSQIDALI  
KENQEIRAEKTLKKQDAEATKACIGSPTSARASNTLPVYIKIEGIDSERTTSWDERDELSGSPPNRSTM  
ATGGTDSQDERLSFTSVDEKPVYIKIEGIDSERTTSWDERDELSGSPPNRSTMATGGTDSQDERLSFTSV  
DEKVIHMSKFLQRSFGRMSPEPLSDSTFLDTESLADIWSSNETSDGELLHHAQASRVIPCFSPNALWV  
QVERMLSDGRITITFPNGTRKEISADKKTTLIRFFNGDMKIKSDQKAIYYADAQTMHTTYPDGEVVEVQF  
PNKWTEKFYDPGSKETVFPDGTVKQLKDGCEETVFPDGTFTVVKRNGDKTIFMSNGEKEIHTARFKRKEF  
PDGTTKTVYCNGCQETKYASGRVVRVKDEKGTVILDWK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



**ACCN:** NM\_001167578

**ORF Size:** 1371 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:**

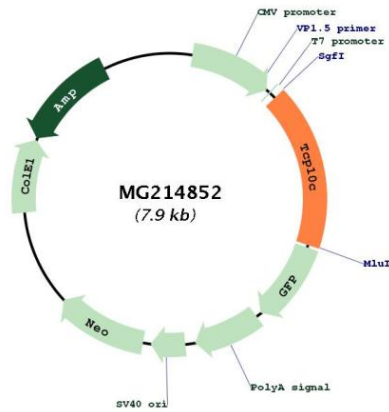
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001167578.1](#), [NP\\_001161050.1](#)

RefSeq Size: 2528 bp  
 RefSeq ORF: 1449 bp  
 Locus ID: 100041352  
 Cytogenetics: 17 A1

**Product images:**



Circular map for MG214852