

## Product datasheet for **MG215305**

### TPD52 (NM\_001025262) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tpd52 (NM\_001025262) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Tpd52  
**Synonyms:** A1043038; mD52  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG215305 representing NM\_001025262  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGTGCAGAGATATGGAGTTGGCTGATGATTACCAATCCCCCTTTGATTTTGATTCTGGAGTGAACA  
 AGAACTACCTCTACCTCTCTCCAAGCGGGAACACCTCGCCGCCTGGTTCACCTACACAGAACGTTGGTCT  
 GCTGAAGACAGAGCCGGTGGCCGAGGAAGGAGAGGATGCTGTTACCATGCTCAGTCTCCAGAGGCGCTG  
 ACGGAAGAGGAGCAAGAGGAGCTGAGGCGGGAGCTTACTAAGGTGAAGAAGAAATCCAGACTCTGTCCC  
 AAGTATTGGCCGAAAAGAGAAGCATCTCGCCGAGCTCAAGCGGAAGCTCGGCATCTCCTCGTTCAGGA  
 GTTCAAGCAGAACATTGCCAAAGGGTGGCAAGACGTGACGGCAACCAATGCATACAAGAAGACCTCTGAA  
 ACTCTATCGCAAGCTGGGCAGAAGGCCTCCGCTGCATTTTCATCGTTGGCTCAGTCATCACAAAAAGC  
 TGGAAGACGTGAAAACTCCCCAACTTTCAAGTCAATTTGAAGAAAAAGTTGAAAAATTTAAAGTCTAAAGT  
 AGGAGGAGCCAAGCCTGCTGGCGGCGATTTTGGAGAAGTCTGAATTCACAGCCAACGCTACCAGTACC  
 ATGACCACAGAGCCTCCTCCAGAACAGATGACAGAGAGCCCC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG215305 representing NM\_001025262  
 Red=Cloning site Green=Tags(s)

MECRDMELADDYQSPFDGSGVNKNLYLSPSGNTSPPGSPTQNVGLLKTEPVAEEGEDAVTMLSAPAL  
 TEEEQEELRRELTKVEEIIQTLQVLAKEKHLAELKRKLGISLQEFKQNIAGWQDVTATNAYKKTSE  
 TLSQAGQKASAAFSSVGSVITKKLEDVKNSTPTFKSFEEKVENLKSQVGGAKPAGGDFGEVLNSTANATST  
 MTTEPPPEQMTESP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001025262

**ORF Size:** 672 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\\_001025262.2](#)

**RefSeq Size:** 2363 bp

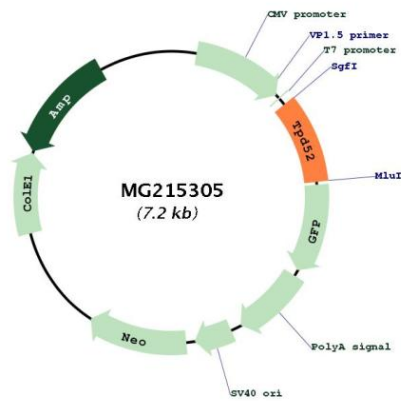
**RefSeq ORF:** 675 bp

**Locus ID:** 21985

**UniProt ID:** [Q62393](#)

**Cytogenetics:** 3 A1

**Product images:**



Circular map for MG215305