

## Product datasheet for **MG206757**

### Trim46 (BC065049) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Trim46 (BC065049) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Trim46  
**Synonyms:** TRIFIC  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG206757 representing BC065049  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGAACATGGAGAAGGAAGTCTGTGCCAGTGTGCCAAGAGATGTACAAGCAGCCACTAGTGCTGC  
 CTTGTACCCACAACGTGTGCCAGGCCTGTGCCGGGAGTTTTGGGCCAGCAGGGGTACATAGGCCATGG  
 TGGGGATCCGAGTTCGGAGCCACTTCTCCTGCTTCCACCCTTCTACCCGAGCCCGCCTCTCTCGG  
 AGAACTCTCCCAAGCCAGATCGCTTGGACCGGCTCCTAAGTCAGGCTTTGGGACATACCTGGGCGGA  
 AGCGTGGTGCCTTGACCCCCAGACGATCCTATCCCGTGCCAGCCTGCCAAGGCGATGTGGAGCTGGG  
 GGAGAGGGGCTTTCCGGGCTTTCCGAAACCTGACCCTAGAGCGAGTGGTGGAGAGGTACCGCCAGAGT  
 GTGAGTGTGGGAGGAGCCATCCTGTGCCAGTTGTGCAAGCCCCACCCTAGAGGCCACCAAGGGCTGCA  
 CAGAGTGTGAGCTACCTTCTGTAACGAATGCTTCAAGCTCTTCCACCCTGGGGCACTCAGAAGGCCGA  
 GCATGAGCCACGCTACCCACTCTTTCATTCCGCCCAAGGGTCTGATGTGTCCAGACCACAAGGAAGAG  
 GTGACCCACTACTGTAAGACATGTCAACGACTGGTGTGCCAAGTCTGCAGAGTACGGCGTACCCACAGTG  
 GGCACAAGATCACACCAGTGTCTAGTGCCTACCAGGCCCTCAAGGATAAGCTAACAAAGAGCCTGGCATA  
 CATCTTTGGAAACCAGGACACTGTGCAGACCCAGATTTGTGAGCTGGAAGAGACCATCAGGCACACTGAG  
 GTGAGTGGTCAGCAAGCAAAGAGGAGGTGTCCAGCTGGTTCCGGGACTAGGGGCTGTGCTGGAAGAGA  
 AGCGGGCCTCACTGCTTCAAGCCATTGAAGAATGCCAGCAAGAGCGCTTATCCCGGCTCAGCGCCAGAT  
 CCATGAACACCAGAGCCTGCTGGATGGCTCGGGTCTGGTGGGTTATGCGCAGGAAGTCTTAAAGGAAACA  
 GACCAGCCTGTTTTGTACAAGCAGCCAAACAGCTGCATAACAGGATTGCCGAGCCACTGAGGCCCTCC  
 AGACATTCGGCCAGCTGCCAGCTCCTCCTCCGCCACTGCCAGCTGGATGTGGGGCGTGAGATGAAGCT  
 GTTGACCGAGCTTAGCTTCTGAGAGGCTGTGGCCACCGGACTCTGCTCCGGAGACCCCAAGTGGCCG  
 AGCGCCCGTCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206757 representing BC065049  
 Red=Cloning site Green=Tags(s)

MKNMEKELLCPVCQEMYQPLVLPCTHNVCQACAREVLGQQGYIGHGGDPSSEPTSPASTPSTRSPRLSR  
 RTLKPKDRLDRLLKSGFGTYPGRKRGALHPQTIILFPCPACQGDVELGERGLSGLFRNLTLERVVERYRQS  
 VSVGGAAILCQLCKPPPLEATKGCTECRATFCNECFKLFHPWGTQKAQHEPTLPTLSFRPKGLMCPDHKEE  
 VTHYCKTCQRLVCQLCRVRRTHSGHKITPVL SAYQALKDKLTKSLAYIILGNQDVTQICELEETIRHTE  
 VSGQQAKEEVSQLYRGLGAVLEEKRASLLQAIEECQQERLSRLSAQIHEHQSLLDGSGLVGYAQEVKET  
 DQPCFVQAAKQLHNRIARATEALQTFRPAASSSFRHCQLDVGREMKLLTELSFLRGCGRGLCSGAPQCP  
 RRPS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC065049

**ORF Size:** 1274 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:** [BC065049](#), [AAH65049](#)

**RefSeq Size:** 3233 bp

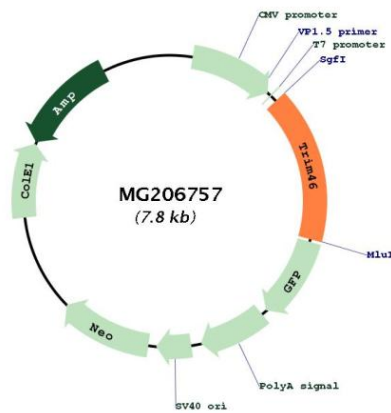
**RefSeq ORF:** 1274 bp

**Locus ID:** 360213

**Cytogenetics:** 3 F1

**Gene Summary:** Microtubule-associated protein that is involved in the formation of parallel microtubule bundles linked by cross-bridges in the proximal axon. Required for the uniform orientation and maintenance of the parallel microtubule fascicles, which are important for efficient cargo delivery and trafficking in axons. Thereby also required for proper axon formation, the establishment of neuronal polarity and proper neuronal migration.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG206757