

## Product datasheet for **MG206336**

### Trim59 (BC025430) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trim59 (BC025430) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim59
Synonyms:	Mrf1, TSBF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206336 representing BC025430 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCACAATTTTGAGGAGGATTAACGTGTCCCATCTGTTACAGCATCTTTGAAGATCCCCGTGACTAC  
CATGCTCTCATACTTTGTAGAACTGTTGGAAAATGTTCTTCAGGCATCTGGTAACTTTTACATATG  
GAGGCTCTGCGAATCCACTCAAGTGCCTAACTGCAGAAGTATTATTGAAATTGCTTCTACTGGCATA  
GAATCCTTACCTGTAACCTTTGCATTACGAGCAATTATTGAAAAGTACCAGCAAGAAGACCACCCAGATG  
TTGTCACCTGCCCTGAACACTACAGGCAACCATTAAATGTTTATTGTCTACTAGATAAGAAATTAGTTTG  
TGGCCATTGTCTTACTATAGGCCAACATCATGGCCATCCTATAGATGACCTTCAAAGTGCCTATCTGAAA  
GAAAAGGATACACCTCAGAAAGTTGTTGAAACAGTTAACTGACACACATTGGACAGATATCACTCGCCTTA  
TTGAAAAGCTTGAAGAACAGAAATGTCATTCTGAGAAAATAGTTCAAGGTGATAAGGAAGTTGTTCTCCA  
GTATTTTAAAGGAGCTAACTGATACATTAGAACAGAAAAAAGTATTTTTTGGCAGCTCTTTGTGATGTT  
GGCAAAATGATTAATCAAGAATACACTCCACAGATTCAAGGAATGAAGGAGATAAGGGAACAACAATTG  
AATTAATGACAATAACGACATCTTTACAAGATGAGTCTCCACTTAAATTTCTGGAAAAAATTGATGAAGT  
CCGCCAACGTGTGCAGATGTTGAAACAGAGACCACTTCTGAGGTCCAGCCTGTTGAAATTTATCCTCGA  
GTAAGCAATGTATTAAGAAGAGTGGAGCAGAATAGAAATTGGACGTATTAAGAAGCTGTTATTCCTG  
AAATGAGAGTTTCTTCAAAAAGAACGCCATGTTCTGGTCTGATAATGATGAAAAAGAAATGGAACCTTT  
TAAAATTTTAAACATTGCTATAGTTTCACTCATTTCAGTGATACTAATGTTGATACTCCTTTTCAACCAT  
CACATAATAACATTCTTAAATGAAATCACTTCAATATGTTTCTCTGAAGTCTTTCTCTGTTTACCAGA  
GTTTATCTAAGAACTTATGACTTAAACAATACAGTGTGTACTTTATATTTGTTAAAGGAATTTAT  
GTGAAAATAGTTTCTCGT

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206336 representing BC025430  
Red=Cloning site Green=Tags(s)

MHNFEELTCPICYSIFEDPRVLPCHSHTFCRNCLENVLQASGNFYIWRPLRIPLKPCNCRSIIIEIASTGI  
 ESLPVNFALRAIIIEKYQQEDHPDVVTCPEHYRQPLNVYCLLDKKLVCGHCLTIGQHHGHPIDDLQSAYLK  
 EKDTPQKLLKQLTDTHWTDITRLIEKLEEKQKCHSEKIVQGDKEVVLQYFKELDTLEQKKKYFLAALCDV  
 GKMINQEYTPQIQGMKEIREQQLELMTITTSLQDESPLKFLKIDEVRQRVQMLKQRPLPEVQPVEIYPR  
 VSNVLKEEWSRIEIGRIKKAVIPEMRVSSKRTPCSWSDNDEKEMELFKILNIAIVSLISVILMLILLFNH  
 HIITFLNEITSICFSEVFLSVYQSLSKNLYDLNNTVCYTLYLLKEFMWKIVSR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC025430

**ORF Size:** 1211 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:** [BC025430](#), [AAH25430](#)

**RefSeq Size:** 2863 bp

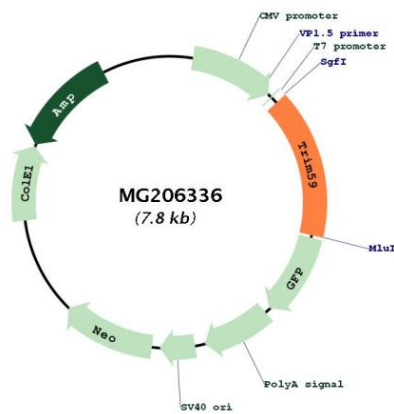
**RefSeq ORF:** 1211 bp

**Locus ID:** 66949

**Cytogenetics:** 3 E1

**Gene Summary:** May serve as a multifunctional regulator for innate immune signaling pathways. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG206336