

## Product datasheet for **MG225800**

### Trim9 (NM\_001110203) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trim9 (NM_001110203) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim9
Synonyms:	AI835002; C030048G07Rik; mKIAA0282
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG225800 representing NM\_001110203  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGAGATGGAAGAAGAGTTAAATGCCCTGTGTGGCTCCTTCTATCGGGAGCCCATCATCTTGC  
 CCTGCTCTCACAATTTATGT CAGGCGTGCGCCCGCAACATCCTGGTGCAGACCCCGAGTCCGAGTCCCC  
 CCAGAGCCCGCGGCTCGGGCTCTGGGTTTCTGACTATGATTATCTGGACCTGGACAAGATGAGCCTG  
 TACAGCGAGGCGGACAGCGGCTATGGCTCTACGGAGTTTCGCCAGCGCCCCACTACCCCGTCCAGA  
 AGTCGCCCAACGGCGTCCCGTTTTCCCCCTGCTATGCCGCCACCGCCACCCACTGTACCAGGCTTT  
 GGCCCTGTGCCCGCAATTCCTGCATCACCTGCCCCAGTGCCACCGCAGCCTCATTCTGGATGACCGG  
 GGGCTCCGCGTTTTCCCAAGAACCGCTCTGGAAGGGTTCATCGACCGCTACCAACAGAGCAAAGCCG  
 CGGCCCTCAAGTCCAGCTCTGCGAGAAGCGCCCAAGGAAGCCACGGTCATGTGTGAACAGTGCATGT  
 CTTCTACTGCGACCTTGCCGTCTGCGTGCACCCGCCCCGGGGTCCCCTAGCCAAACACCGTCTGGTG  
 CCCCCGGCCAGGGCCGGT CAGCCGGCGCTGAGCCCGCAAGGTCTCCACCTGCACAGACCAGCAGC  
 TGGAGAACCACAGCATGTACTGCGTGAATGCAAGATGCCCGTGTGTACCAGTGCCTAGAGGAGGGCAA  
 ACACTCCAGCCACGAAGTCAAGGCTTTGGGGGCTATGTGAAATTGCACAAGAGCCAGCTCTCCAGGCC  
 CTGAATGGATTGTGCGACAGGGCCAAAGAAGCCAAGGAGTTCTGGTGCAGCTCCGACCATGGTACAAC  
 AGATCCAGGAAAACAGTGTGGAGTTTGAGGCTGCCTGGTGGCCAGTGTGATGCGCTCATCGATGCCCT  
 AAACCGAAGGAAGGCTCAGCTGCTGGCCGGTCAACAAGGAGCATGAACACAAGCTGAAGTGGTTCCG  
 GACCAGATCTCTACTGCACGGTGAAGCTGCGTCAGACCAGGGCCTCATGGAGTACTGCTTGAAGTGA  
 TTAAGGAGAACGACCCAGTGGCTTTTTCAGATTTTCAGATGCTCTATAAGGCGAGTCACTTAACTGA  
 GGACAGTGGGGGAAGGGCACCCCTCACTCCAGGATGACCACAGACTTTGATCTGAGCCTGGACAACAGC  
 CCTCTGCTGACGTCTATTCACCAACTGGACTTCGTGCAAGTGAAGCCTCCTCTCAGTCCAGCAACCC  
 CCATCCTACAGCTGGAGGAGTGTGCACCCACAACAACAGTGTACGCTGTCTGGAAACAGCCCCCTCT  
 GTCCACCGTAGCCCGGATGGATACATCCTGGAGCTGGATGACGGCAGTGGTGGTCCGGGAAGTG  
 TATGTTGAAAAGAAACAATGTGCACAGTGGACGGCTTCACTTCAACAGCACATAACAACGCTCGGGTTA  
 AGGCCTTCAACAAAACAGGAGTCAAGCCCTACAGCAAGACTGGTCTCCAGACGTCTGAGGCAGCGGG  
 AGCCCATGAGACAAAACCTATGAAGGAAGG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG225800 representing NM\_001110203  
 Red=Cloning site Green=Tags(s)

MEEMEEELKCPVCGSFYREPIILPCSHNLQACARNILVQTPESQSRRASGSGVSDYDYLDDKMSL  
 YSEADSGYGSYGFASAPTPCQKSPNGVRVFPAMPPTLSPALAPVPRNSCITCPQCHRSLILDDR  
 GLRGFPKNRVLEGVDRYQQSKAAALKQQLCEKAPKEATVMCEQCDVFYCDPCRLRCHPPRGLAKHRLV  
 PPAQGRVSRRLSPRKVSTCTDHELENHSMYCVQCKMPVCYQCLEEGKSSHEVKALGAMWKLHKSLSQA  
 LNGLSDRAKEAKEFLVQLRTMVQIQENSVEFEACLVAQCDALIDALNRRKAQLLARVNKEHEHLKVVVR  
 DQISHCTVKLRQTTGLMEYCLEVIKENDPSGFLQISDALIRRVHLEDQWKGTLTPRMTTDFDLSDNS  
 PLLQSIHQDFVQVKASSPVPATPILQLEECCTHNNSATLSWKQPPLSTVAADGYILELDDGSGGFREV  
 YVGKETMCTVDGLHFNSTYNARVKAFNKTVSPYSKTLVLQVSEAAGAHETKPMKGR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001110203

**ORF Size:** 1641 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\\_001110203.1](#), [NP\\_001103673.1](#)

**RefSeq Size:** 4843 bp

**RefSeq ORF:** 1644 bp

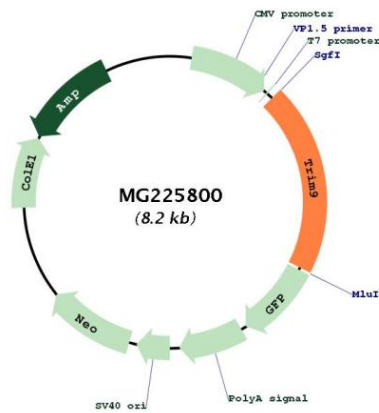
**Locus ID:** 94090

**UniProt ID:** [Q8C7M3](#)

**Cytogenetics:** 12 C2

**Gene Summary:** E3 ubiquitin-protein ligase which ubiquitinates itself in cooperation with an E2 enzyme UBE2D2/UBC4 and serves as a targeting signal for proteasomal degradation. May play a role in regulation of neuronal functions. May act as a regulator of synaptic vesicle exocytosis by controlling the availability of SNAP25 for the SNARE complex formation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG225800