

Product datasheet for **MG208017**

Trim69 (NM_080510) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim69 (NM_080510) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim69
Synonyms:	4921519C19Rik; Rnf36; Trif; Trimless
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208017 representing NM_080510
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGTATCTTCTCGCCCCCTCCAACCTTTGATCCAGGCAACTATGTTGAAATGAGTGATCCAACCA
 CCACCCATTTACCTCAAAGTGGTGATACAAGATCTTACCACGGAGCTACACTGCCCTCTGTGTAAACGA
 CTGGTTCCGTGATCCGCTGATGCTGACCTGTGGCCACAACCTTCTGCCAAGACTGTATTCAAAGCTTCTGG
 AAAGTGCATTCAAAGGAAACATTCTGTCCTGACTGTAAGATGCTATGCCAGTATAGCAACTGTACATTCA
 ACCTCGTGTGGAGAAGCTCGTGGAGAAGATTAAGAAGTTACCCCTGCTCAAGGGCCATCCACAGTGCCC
 AGAGCATGGAGAGAACCTGAAACTGTTCAAGTAAAGCCAGAAAGGCAAAATGATCTGCTTTCAATGCAAGGAT
 GCACGGTGTCTATGGGGCAGTCTAAGGATTTCTGCAGATCTCTGAAGCTGTCCGTTTCTTACGGAGG
 AGCTTGCTATCTATCAGAGCCAACCTCAGACAACCTGAAGGAGCTTCACTCTCAGAACAATTCAGAA
 AGATGCTATTTCTGCTTACAAGGACAACAAGATACAACCTGCAACAAAACCTTTCTTGGAGTTTCTAAAG
 CTACATCAGTTTCTGCACAACAAAGAAAAGGACATTCTAAATGACCTCCGGGATGAGGGGAAACTCTTGA
 ATGAGGAGATGGAGGTGAATCTGAACCAGATTCAGGAGCAGTGTCTTGTGCCAAAAGACATGCTGGCGAC
 CATTACAGGCACGGATGGAACAGCAGAACCTCTCGACTTCCTCACAGACATCACAAAAGCTCATAGAGAGC
 ATGGAGAAAGGAATGAAGACAATTGTACCTAGACAGCTCATCGCCAAAAGCTGAGCCTAGGCCGCTTCA
 AAGGTCCTATCCAGTATATCATCTGGAAGGAAATGCAGGCTATTCTCTCTCCAGGCCCATCTCAATTAAC
 TCTGGATCCTAAAACAGCTCATCCCAATCTGGTGTATCCAAAAGCCAGACCAGTGTGTCACTGTGAT
 GTTAAGCAGGTAATGCCTGATGATCCAGAGCGGTTTGAATCAAGTGTGGCTGTACTGGGCTCAAAAGGCT
 TCACCTCTGGAAAATGGTACTGGGAAATAGAAGTAGGAAAGAAGACAAAATGGACAATTGGAGTCGTGAG
 AGAGTCCATCATTTCGGAAGGGGAGCTGCCCTCTGACTCCAGAGCAAGGATTCTGGCTTCTAAGACTAAGA
 AACCAAACAGATCTAAAGGCCCTGGATTTGCCCTCCCCTAGTCTGACTCTAGGCGACCTCAGAAGAGTGG
 GCGTGTACCTGGATTATGAGGGCGGCAAGTATCCTTCTACAACGCTACAACCATGACCCATCTTTACAC
 CTTTAGCAGTGTTCAGGAGAACTTTCCCTACTTGTGCCCTGCCTAATGACGGTGGGAGAAAT
 AAAGAACCCTTGACATCGTACATCCACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208017 representing NM_080510
 Red=Cloning site Green=Tags(s)

MEVSSRPPSNFDPGNYVEMSDPTTTHLPSKVVIQDLTTELHCPLCNDWFRDPLMLTCGHNFCQDCIQSFW
 KVHSKETFCPDCKMLCQYSNCTFNLVLEKLVKIKKPLLLKGHPQCPEHGENLKLFSKPEGKMICFQCKD
 ARLSMGQSKDFLQISEAVRFFTEELAIYQSQLQTTLKELQSLRTIQKDAISAYKDNKIQLQNLSEFLK
 LHQFLHNKEKDILNDRDEGKLLNEEMEVNLNQIQEQCLVAKDMLATIQARMEQQNSFDLTDITKLIES
 MEKGMKTIVPRQLIAKKLSLGRFKGPIQYIIWKEMQAILSPGPSQLTLDPKTAHPNLVLSKSQTSVCHCD
 VKQVMPDDPERFDSSVAVLGSKGFTSGKWYWEIEVGKTKWTIGVVRESIIRKGSCLPTPEQGFWLLRLR
 NQTDLKDLDLPSRSLTLGDLRRVGVYLDYEGGQVSFYNATMTHTLYTFSSVFQEKLPYLCPLNDGGEN
 KEPLHIVHPQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:

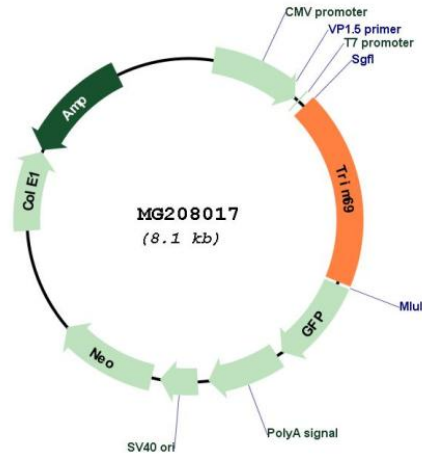


EcoR I *BamH I* *Kpn I* RBS *Kozac* Consensus *Sgf I* *Asc I*
 CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGGCCAGATCT

Hind III *Nhe I* *Rsr II* *Mlu I* *Not I* *Xho I* GFP Tag
 CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -

Pme I *Fse I*
 --- --- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT
 - - - E E R V Stop

Plasmid Map:



ACCN:	NM_080510
ORF Size:	1500 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_080510.3](#)

RefSeq Size: 1781 bp

RefSeq ORF: 1503 bp

Locus ID: 70928

UniProt ID: [Q80X56](#)

Cytogenetics: 2 E5

Gene Summary: May have E3 ubiquitin-protein ligase activity. May play a role in apoptosis.[UniProtKB/Swiss-Prot Function]