

Product datasheet for **MC228933**

Trim9 (NM_001286387) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim9 (NM_001286387) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228933 representing NM_001286387
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAGATGGAAGAAGAGTTAAATGCCCTGTGTGGCTCCTTCTATCGGGAGCCCATCATCTTGC
 CCTGCTCTCACAATTTATGTAGGGCTGCGCCCGCAACATCCTGGTGCAGACCCCGAGTCCGAGTCCCC
 CCAGAGCCCGCGGCTCGGGCTCTGGGTTTCTGACTATGATTATCTGGACCTGGACAAGATGAGCCTG
 TACAGCGAGGCGGACAGCGGCTATGGCTCTACGGAGTTTCGCCAGCGCCCCACTACCCCGTCCAGAG
 AGTCGCCAACGGCGTCCGCTTTTCCCCCTGCTATGCCGCCACCGCCACCCACTGTACCGGCTTT
 GGCCCTGTGCCCGCAATTCCTGCATCACCTGCCCCAGTGCCACCGCAGCCTCATTCTGGATGACCGG
 GGGCTCCGCGTTTCCCAAGAACCGCTCTGGAAGGGTTCATCGACCGCTACCAACAGAGCAAAGCCG
 CGGCCCTCAAGTCCAGCTCTGCGAGAAGGCGCCCAAGGAAGCCACGGTTCATGTGTAACAGTGCATGT
 CTTCTACTGCGACCTTCCGCTGCGCTGCCACCGCCCGGGTCCCCTAGCCAAACACCGTCTGGTG
 CCCCCGGCCAGGGCCGGTCCAGCCGGCGCTGAGCCCGCGCAAGGTCTCCACCTGCACAGACCAGCAGC
 TGGAGAACCACAGCATGTACTGCGTGAATGCAAGATGCCCGTGTGTACCAGTGCCTAGAGGAGGGCAA
 ACACTCCAGCCACGAAGTCAAGGCTTTGGGGGCTATGTGAAATTGCACAAGAGCCAGCTCTCCAGGCC
 CTGAATGGATTGTGCGACAGGGCCAAAGAAGCCAAAGGAGTTTCTGGTGCAGCTCCGACCATGGTACAAC
 AGATCCAGGAAAACAGTGTGGAGTTTGGGGCTGCCTGGTGGCCAGTGTGATGCGCTCATCGATGCCCT
 AAACCGAAGGAAGGCTCAGCTGCTGGCCGGTCAACAAGGAGCATGAACACAAGCTGAAGTGGTTCGG
 GACCAGATCTCTACTGCACGGTGAAGCTGCGTCAGACCAGGGCCTCATGGAGTACTGCTTGAAGTGA
 TTAAGGAGAACGACCCAGTGGCTTTTTCAGATTTTCAGATGCTCTATAAGGCGAGTTCACTTAACTGA
 GGACCAAGTGGGGAAAGGGCACCCCTCACTCCAGGATGACCACAGACTTTGATCTGAGCCTGGACAACAGC
 CCTCTGCTGCAGTCTATTCACCAACTGGACTTCGTGCAAGTGAAGCCTCCTCTCCAGTCCAGCAACCC
 CCATCCTACAGCTGGAGGAGTGTGCACCCACAACAACAGTGTACGCTGTCTGGAAAACAGCCCTCT
 GTCCACCGTAGCCCGGATGGATACATCCTGGAGCTGGATGACGGCAGTGGTGGTCCAGTTCCGGGAAGTG
 TATGTTGAAAAGAAACAATGTGCACAGTGGACGGCTTCACTTCAACAGCACATAACAACGCTCGGGTTA
 AGGCCTTCAACAAAACAGGAGTCAAGCCCTACAGCAAGACTGGTCTCCAGACGCTGAGGGCGGGAGC
 CCATGAGACAAAACCTATGAAGGACACAGACTCAGAAGAACAGACCCTCCCTTTCCAGTGCCTTCGGAA
 AGATTGCCGCTCCGTAGGATGAGCCCTTCTCCTCCACCCTTAATCTACAACCCAGCTTCCCGGGAGGT
 CCTACTTTGATTTCCGGTCTCACCCACAGCTGAGTTTGCATTCTTTTACAGTCTCTCAATGCACC
 GGGCTGCAATTTTGGACACAATCTGCATCCTACTCTCAATTAGTTGACATTA AAAAGCTGTTGGCAGTG
 GCTTGGTTGCTTTTACCCCGGCTCGGCCACTCCGACATCATCTTCTCCAATGACAACTTGACAGTGA
 CGTGCAGTAGCTACGATGACCGGGTGGTGTGGGAAAACCGGCTTCTCAAAGGCGTCCACTACTGGGA
 GCTGACCATAGATCGCTATGACAACCACCTGATCCAGCATTGGCGTGGCTCGCATCGATGTGATGAAG
 GATATGATGTTAGGGAAGGACGACAAAGCTTGGCAATAACTGAAGGAGGGATCACAAAAGGGGCCACCA
 TCGGGTCTCCTCGACTTAAACAGAAAGACATTAACGTTTTTCGTCAACAATGAACAGCAAGGCCCAT
 AGCGTTTGGAGAACGTGGAGGGCCTGTTCTTCCCTGCTGTCAGCCTGAACAGGAATGTGCAGGTACGCTC
 CACACCGGGCTTCCGGTCCCGACTTCTACTCCAGCCGAGCTTCCATAGCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001286387
Insert Size: 2364 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001286387.1, NP_001273316.1</u>
RefSeq Size:	4677 bp
RefSeq ORF:	2364 bp
Locus ID:	94090
UniProt ID:	<u>Q8C7M3</u>
Cytogenetics:	12 C2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (e) is shorter, compared to isoform a.</p>