

Product datasheet for **MC216348**

Trim11 (NM_053168) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim11 (NM_053168) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216348 representing NM_053168
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCCCCAGACTTGTCCACCAACCTCCAGGAGGAGGCCACCTGCGCCATCTGCCTGGATTACTTCA
 CCGACCCGGTGATGACCGACTGCGGCCACAACCTTCTGCCGCGAGTGCATCCGACGTTGCTGGGGCCAGCC
 CGAGGGCCCATACGCGTGCCCGAGTGTGCGGAGCTGTCGCGCAGAGGAACCTACGGCCCAACCGCCCG
 CTCGCCAAAATGGCAGAAATGGCACGACGCTGCACCCGCCTTCTCCGGTCCCAGGGCGTCTGTGCGG
 CGCACCCGAGCCGCTGACCACCTTCTGCGGCGACGACCTCAGCCTGCTGTGCCCATCTGCGAGCGTTC
 GGAGCACTGGACTCACCGGTGAGACCGCTGCAGGAGGCGGGACGACCTCAAGGGGAGGCTGGAGAAG
 TCACTGGAGCACCTACGAAACAAATGGAGGACGCAATGCTGTTCCAAGCCAGGCTGAGGAAACCTGTG
 CCTTGTGGCAGAAGATGGTGGAGAGCCAGCGGCAAGATGTGCTGGGCGAGTTTGAGAGGCTGCGCCGCT
 GTTGGCAGAGGAGGAGCAACAGCTGCTGCAGAAGCTGGAGGAGGAAGAGCTGGAGTTCTGCCGCGCCTG
 CGTGAAGGCGCTGCGAGGCTTGCCAGCAAAGCACGACGCTGGCAGCCCTCATCTCCGAGCTTGAGAGCC
 GCTGCCAGCTGCCAGCCCTGGGTTTACTGCAGGACATTAAAGACGCCCTGTGCAGGGTGCAGGATGTGAA
 GCTGCAGCCTCCAGCAGTGGTGGCCATGGAGCTGAGGACCGTGTGCCGGTCCCAGGGCTGGTGGAGACC
 CTGCGGAGGTTCCGAGGGGACATAACCTTGACCCAGACCCCAACCTGAGCTGGTCTTATCTGAGG
 ACCGGAGGAGTGTGCAGCGTGGTGAACAGCGGCGAGGCCCTGCCTGACAACCCAGAGCGGTTCCAGCCCGG
 CCCTTTCGTGCTGGGCCAGGAGCGCATTACCTTGCCGCCACTACTGGGAGTGAAGTTCGGGGACCAG
 ACCAGCTGGGCACTCGCGTGTGTAAGAACTGCCAACAGGAAGGAGAAGGGGGAGCTGTCGGCTGGCA
 ATGGGTTCTGGATCCTGGTGTCTGGGAGTTCTATAATTCCAATGAGCCGGCCTTCTCCCACTGCG
 GGACCCTCCCAAGCGTGTGGGGATTTTCTGGACTATGAAGCTGGCCATCTCTCATTCTACAGTGCCACG
 GATGGGTCGCTGCTTTATCTTCCCGAGACCCTGTTCTCAGGACACTCCGGCCCTCTTCTCACCTC
 TGCAAGCAGCCCGACCCTATGACTATCTGCAGGCTGATAGGTGATCTGGGGACACCTTGGCCCGCA
GTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-RsrII

ACCN: NM_053168

Insert Size: 1404 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).

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_053168.2](#), [NP_444398.1](#)

RefSeq Size: 2279 bp

RefSeq ORF: 1404 bp

Locus ID: 94091

UniProt ID: [Q99PQ2](#)

Cytogenetics: 11 B1.3

Gene Summary: E3 ubiquitin-protein ligase that promotes the degradation of insoluble ubiquitinated proteins, including insoluble PAX6, poly-Gln repeat expanded HTT and poly-Ala repeat expanded ARX. Mediates PAX6 ubiquitination leading to proteasomal degradation, thereby modulating cortical neurogenesis. May also inhibit PAX6 transcriptional activity, possibly in part by preventing the binding of PAX6 to its consensus sequences. May contribute to the regulation of the intracellular level of HN (humanin) or HN-containing proteins through the proteasomal degradation pathway. Mediates MED15 ubiquitination leading to proteasomal degradation. May contribute to the innate restriction of retroviruses. Upon overexpression, reduces HIV-1 and murine leukemia virus infectivity, by suppressing viral gene expression. Antiviral activity depends on a functional E3 ubiquitin-protein ligase domain. May regulate TRIM5 turnover via the proteasome pathway, thus counteracting the TRIM5-mediated cross-species restriction of retroviral infection at early stages of the retroviral life cycle.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an in-frame exon, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.