

## Product datasheet for **MC227934**

### Trim11 (NM\_001290988) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trim11 (NM_001290988) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC227934 representing NM\_001290988  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCCCCAGACTTGTCCACCAACCTCCAGGAGGAGCCACCTGCGCCATCTGCCTGGATTACTTCA  
 CCGACCCGGTGATGACCGACTGCGGCCACAACCTTCGCCGCGAGTGCATCCGACGTTGCTGGGGCCAGCC  
 CGAGGGCCCATACGCGTGCCCGAGTGTGCGGAGCTGTCGCGCAGAGGAACCTACGGCCCAACCGCCCG  
 CTCGCCAAAATGGCAGAAATGGCAGCAGCCTGCACCCGCCTTCTCCGGTCCCAGGGCGTCTGTGCGG  
 CGCACCCGAGCCGCTGACCACCTTCTGCGGCGACGACCTCAGCCTGCTGTGCCCATCTGCGAGCGTTC  
 GGAGCACTGGACTCACCGGGTGAGACCGCTGCAGGAGGCGGGACGACCTCAAGGGGAGGCTGGAGAAG  
 TCACTGGAGCACCTACGGAACAAATGGAGGACGCAATGCTGTTCCAAGCCAGGCTGAGGAAACCTGTG  
 CCTTGTGGCAGAAGATGGTGGAGAGCCAGCGGCAAGTGTGCTGGGCGAGTTTGAGAGGCTGCGCCGCT  
 GTTGGCAGAGGAGGAGCAACAGCTGCTGCAGAAGCTGGAGGAGGAAGAGCTGGAGTTCTGCCGCGCTG  
 CGTGAAGGCGCTGCGAGGCTTGCCAGCAAAGCACGACGCTGGCAGCCCTCATCTCCGAGCTTGAGAGCC  
 GCTGCCAGCTGCCAGCCCTGGGTTTACTGCAGCTCTGCATTGAGTGTGCGCCCTGGAGAGAGAAGCGTC  
 TATAGCCAAGGACATTAAGGACGCCCTGTGAGGGTGCAGGATGTGAAGTGCAGCCTCCAGCAGTGGTG  
 CCCATGGAGCTGAGGACCGTGTGCCGGTCCCAGGGCTGGTGGAGACCTGCGGAGGTTCCGAGGGGACA  
 TAACCTGGACCCAGACCCGCAACCTGAGCTGGTCTTATCTGAGGACCGGAGGATGTGCAGCGTGG  
 TGAACAGCGGCAGGCCCTGCCTGACAACCCAGAGCGGTCGACCCCGCCCTTCCGTGCTGGGCCAGGAG  
 CGCATTACCTTGGCCGCACTACTGGGAGGTGGAAGTCGGGGACCAGACCAGCTGGGCACTCGGCGTGT  
 GTAAGAAACTGCCAACAGGAAGGAGAAGGGGGAGCTGTCGGCTGGCAATGGGTTCTGGATCTGGTGT  
 CCTGGGAGTTTCTATAATTCCAATGAGCCGGCCTTCTCCCACTGCGGGACCCTCCAAGCGTGTGGGG  
 ATTTTTCTGGACTATGAAGCTGGCCATCTCTATTCTACAGTGCACGGATGGTTCGCTGCTGTTTATCT  
 TCCCCGAGACCCTGTTCTCAGGGACACTCCGGCCCTTCTCTACCTCTGTCAAGCAGCCGACCCTAT  
 GACTATCTGCAGGCTGATAGGTGATCTGGGGACACCCTTGGCCCGCAG**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001290988
- Insert Size:** 1452 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:**

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\\_001290988.1](#), [NP\\_001277917.1](#)

**RefSeq Size:** 2327 bp

**RefSeq ORF:** 1452 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 (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.