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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCCCCAGACTTGTCCACCAACCTCCAGGAGGAGGCCACCTGCGCCATCTGCCTGGATTACTTCA
CCGACCCGGTGATGACCGACTGCGGCCACAACTTCTGCCGCGAGTGCATCCGACGTTGCTGGGGCCAGCC
CGAGGGCCCATACGCGTGCCCCGAGTGTCGCGAGCTGTCGGCGCAGAGGAACCTACGGCCCAACCGCCCG
CTCGCCAAAATGGCAGAAATGGCACGACGCCTGCACCCGCCTTCTCCGGTCCCGCAGGGCGTCTGTGCGG
CGCACCGCGAGCCGCTGACCACCTTCTGCGGCGACGACCTCAGCCTGCTGTGCCCCATCTGCGAGCGTTC
GGAGCACTGGACTCACCGGGTGAGACCGCTGCAGGAGGCGGCGGACGACCTCAAGGGGAGGCTGGAGAAG
TCACTGGAGCACCTACGGAAACAAATGGAGGACGCAATGCTGTTCCAAGCCCAGGCTGAGGAAACCTGTG
CCTTGTGGCAGAAGATGGTGGAGAGCCAGCGGCAGAATGTGCTGGGCGAGTTTGAGAGGCTGCGCCGCCT
GTTGGCAGAGGAGGAGCAACAGCTGCTGCAGAAGCTGGAGGAGGAAGAGCTGGAGGTTCTGCCGCGCCTG
CGTGAAGGCGCTGCGAGGCTTGGCCAGCAAAGCACGCAGCTGGCAGCCCTCATCTCCGAGCTTGAGAGCC
GCTGCCAGCTGCCAGCCCTGGGTTTACTGCAGGACATTAAGGACGCCCTGTGCAGGGTGCAGGATGTGAA
GCTGCAGCCTCCAGCAGTGGTGCCCATGGAGCTGAGGACCGTGTGCCGGGTCCCAGGGCTGGTGGAGACC
CTGCGGAGGTTCCGAGGGGACATAACCCTGGACCCAGACACCGCCAACCCTGAGCTGGTCTTATCTGAGG
ACCGGAGGAGTGTGCAGCGTGGTGAACAGCGGCAGGCCCTGCCTGACAACCCAGAGCGGTTCGACCCCGG
CCCTTGCGTGCTGGGCCAGGAGCGCATTACCTCTGGCCGCCACTACTGGGAGGTGGAAGTCGGGGACCAG
ACCAGCTGGGCACTCGGCGTGTGTAAAGAAACTGCCAACAGGAAGGAGAAGGGGGAGCTGTCGGCTGGCA
ATGGGTTCTGGATCCTGGTGTTCCTGGGGAGTTTCTATAATTCCAATGAGCCGGCCTTCTCCCCACTGCG
GGACCCTCCCAAGCGTGTGGGGATTTTTCTGGACTATGAAGCTGGCCATCTCTCATTCTACAGTGCCACG
GATGGGTCGCTGCTGTTTATCTTCCCCGAGACCCTGTTCTCAGGGACACTCCGGCCCCTCTTCTCACCTC
TGTCAAGCAGCCCGACCCCTATGACTATCTGCAGGCTGATAGGTGTATCTGGGGACACCCTTGGCCCGCA
GTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-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.

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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.

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