

Product datasheet for **MC217259**

Trim27 (NM_009054) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim27 (NM_009054) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trim27
Synonyms:	AW538890; Gm19403; Rfp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217259 representing NM_009054
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCCGGGAGCGTGGCCGAGTGCCTGCAGCAGGAGACCACCTGCCCGTGTGCCTTCAGTACTTCG
TGGAGCCTATGATGCTCGACTGCGGCCACAACATCTGTTGCGCGTGCCTGGCCCGCTGCTGGGGTGCCGC
GGAGACTAACGTGTCGTGTCGCGAGTGCAGGGAGACCTCCCGCAGCGCCACATGCGACCAACCGGCAC
CTGGCCAACGTGACCCAGCTGGTGAAGCAGCTGCGCACCGAGCGGCCGTCGGGGCCCGCGGCGAGATGG
GCGTGTGCGAGAAGCACCAGGAGCCTCTGAAGCTGTACTGCGAGCAGGACCAGATGCCCATCTGCGTGGT
GTGCGACCGCTCGCGGAGCACCAGCGGCCACAGCGTGTGCCCTGGAGGAGGCGGTGGAGGGCTTCAAG
GAGCAATCCAGAACCGACTGGACCACCTAAGAAGAGTGAAGACTTGAAGAAGAGACGGCGGGCACAGG
GGGAGCAGGCCCGAGCTGAGCTTTGAGCCTGACTCAGATGGAGAGGGAAAAAATGTCTGGGAGTTTGA
GCAGCTCTACTCGTGAAGGAGCATGAGTACCGCCTGTTGGCTCGCCTTGGAGAGCTCGACTTGGCC
ATCTATAACAGCATCAACGGGGCCATCACTCAGTTCTCCTGCAACATCTCCACCTCAGTGGCCTGATTG
CCCAACTGGAAGAGAAGCAGCAGCAGCCACGCGGGAGCTTTACAGGACATTGGAGACACACTGAGCAG
GGCTGAAAGAATCAGGATCCCTGAGCCCTGGATCACACCCCGAGATCTACAAGAGAAAAATCCATATTTTT
GCCCAAAAATGTCTGTTTTGACAGAAAGTCTAAAACAGTTTACAGAAAAGATGCAGTCAGATATGGAGA
AGATCCAAGAGTTGAGAGAGGCTCAGTTACTCAGTTGATGTAACCCCTGGACCCAGACACAGCCTATCC
CAGTCTGATTCTTTCTGATAATCTTCGCAAGTACGGTACAGTTACCTCCAGCAGGATCTCCAGACAAC
CCTGAGCGATTCAATCTGTTCCCTGTGTCTTGGGCTCTCCATGTTTTCATCGCTGGGAGACATTACTGGG
AGGTAGAGGTGGGAGATAAAGCCAAGTGGACCATAGGTGTCTGTAAGACTCGGTGTGCAAAAAGGTGG
GGTGACCTCAGCCCCCAGAATGGATTCTGGGCAGTGTGATTGTGGTATGGGAAAGAATATTGGGCTCTT
ACATCCCCAATGACTGCACTACCCCTGCGGACCCCTCTCCAGAGAGTAGGGATTTTCTTGGACTATGATG
CTGGTGAAGTTTCTTCTACAATGTGACAGAGAGATGCCATACCTTTACTTTCTCTCACGCTACCTTCTG
TGGGCCAGTCCGGCCCTACTTCAGCCTAAGCTACTCGGGAGGGAAGAGCGCAGCTCCTTTGATCATCTGC
CCTATGAGTGGGATTGATGGGTTTTCTGGCCATGTTGGGAATCATGGTCAATCCATGGAGACCTCTCCGT
GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_009054

Insert Size: 1542 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_009054.3](#), [NP_033080.2](#)

RefSeq Size: 4204 bp

RefSeq ORF: 1542 bp

Locus ID: 19720

UniProt ID: [Q62158](#)

Cytogenetics: 13 7.67 cM

Gene Summary: E3 ubiquitin-protein ligase that mediates ubiquitination of PIK3C2B and inhibits its activity; mediates the formation of 'Lys-48'-linked polyubiquitin chains; the function inhibits CD4 T-cell activation. Acts as a regulator of retrograde transport: together with MAGEL2, mediates the formation of 'Lys-63'-linked polyubiquitin chains at 'Lys-220' of WASHC1, leading to promote endosomal F-actin assembly. Has a transcriptional repressor activity. Induces apoptosis by activating Jun N-terminal kinase and p38 kinase and also increases caspase-3-like activity independently of mitochondrial events. May function in male germ cell development. Has DNA-binding activity and preferentially bound to double-stranded DNA.[UniProtKB/Swiss-Prot Function]