

Product datasheet for **MR208363**

Trim27 (NM_009054) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR208363 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCCGGGAGCGTGGCCGAGTGCCTGCAGCAGGAGACCACCTGCCCGTGTGCCTTCAGTACTTCG
 TGGAGCCTATGATGCTCGACTGCGGCCACAACATCTGTTGCGCGTGCCTGGCCCGTCTGCTGGGGTCCCGC
 GGAGACTAACGTGTCGTGTCGCACTGCGGGAGACCTTCCCGCAGCGCCACATGCGACCCAACCGGCAC
 CTGGCCAACGTGACCCAGCTGGTGAAGCAGCTGCGCACCGAGCGGCCGTCGGGGCCCGCGGCGAGATGG
 GCGTGTGCGAGAAGCACCAGGAGCTCTGAAGCTGTACTGCGAGCAGGACCAGATGCCCATCTGCGTGGT
 GTGCGACCGCTCGCGGAGCACCAGGCCACAGCGTGTGCCCTGGAGGAGCGGTGGAGGGCTTCAAG
 GAGCAATCCAGAACCGACTGGACCACCTAAGAAGAGTGAAGACTTGAAGAAGAGACGGCGGGCACAGG
 GGGAGCAGGCCGAGCTGAGCTTTGAGCCTGACTCAGATGGAGAGGGAAAAATGTCTGGGAGTTTGA
 GCAGCTCTACTCGTGAAGGAGCATGAGTACCGCCTGTTGGCTCGCCTTGAGGAGCTCGACTTGGCC
 ATCTATAACAGCATCAACGGGGCCATCACTCAGTTCTCCTGCAACATCTCCACCTCAGTGGCCTGATTG
 CCCAACTGGAAGAGAAGCAGCAGCAGCCACGCGGGAGCTTTACAGGACATTGGAGACACACTGAGCAG
 GGCTGAAAGAATCAGGATCCCTGAGCCCTGGATCACACCCAGATCTACAAGAGAAAAATCCATATTTTT
 GCCAAAAATGTCTGTTTTGACAGAAAGTCTAAAACAGTTTACAGAAAAGATGCAGTCAGATATGGAGA
 AGATCCAAGAGTTGAGAGAGGCTCAGTTACTCAGTTGATGTAAACCCTGGACCCAGACACAGCCTATCC
 CAGTCTGATTCTTTCTGATAATCTTCGCAAGTACGGTACAGTTACCTCCAGCAGGATCTCCAGACAAC
 CCTGAGCGATTCAATCTGTTCCCTGTGCTTGGGCTCTCCATGTTTTCATCGCTGGGAGACATTACTGGG
 AGGTAGAGGTGGGAGATAAAGCCAAGTGGACCATAGGTGTCTGTGAAGACTCGGTGTGCAGAAAAGGTGG
 GGTGACCTCAGCCCCCAGAATGGATTCTGGGCAGTGTCAATTGTGGTATGGGAAAGAATATTGGGCTCTT
 ACATCCCCAATGACTGCACTACCCCTGCGGACCCCTCTCCAGAGAGTAGGGATTTTCTTGGACTATGATG
 CTGGTGAAGTTTCTTCTACAATGTGACAGAGAGATGCCATACCTTTACTTTCTCTCACGCTACCTTCTG
 TGGGCCAGTCCGGCCCTACTTCAGCCTAAGCTACTCGGGAGGGAAGAGCGCAGCTCCTTTGATCATCTGC
 CCTATGAGTGGGATTGATGGGTTTTCTGGCCATGTTGGGAATCATGGTCAATCCATGGAGACCTCTCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208363 protein sequence
 Red=Cloning site Green=Tags(s)

MASGSVAECLQQETTCPVCLQYFVPMMLDCGHNICCLAARCWAAETNVSCPQCRETFFQRHMRPNRH
 LANVTQLVKQLRTERPSGPGGEMGVCEKHREPLKLYCEQDQMPICVVCDSREHRGHSVLPLEEAVEGFK
 EQIQNRDLHLLRRVKDLKRRRAQGEQARAELLSLTQMEREKIVWEFEQLYHSLKEHEYRLRLARLEELDLA
 IYNSINGAITQFSCNISHLSGLIAQLEEKQQPTRELLQDIGDLSRAERIRIPEPWITPPDLQEKIHF
 AQKCLFLETSLKQFTEKMQSDMEKIQELREAQLYSVDVTLDPDTAYPSLILSDNLRQVRYSYLQQDLPDN
 PERFNLFPVGLGSPCFIAGRHYWEVEVGDKAKWTIGVCEDSVCRKGGVTSAPQNGFVAVSLWYGKEYWAL
 TSPMTALPLRTPLRVGIPLDYDAGEVSFYNVTERCHTFTFSHATFCGPVPRPYFSLSYSGGKSAAPLIIC
 PMSGIDGFSGHVGNHGHSMETSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_009054

ORF Size: 1539 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

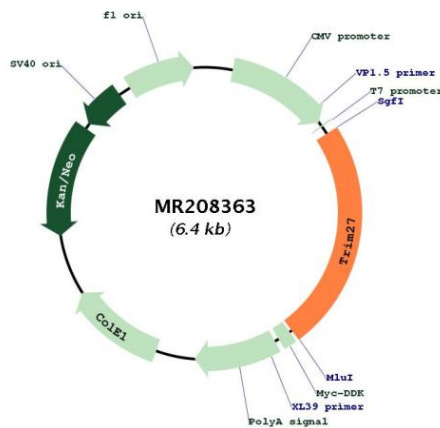
UniProt ID: [Q62158](#)

Cytogenetics: 13 7.67 cM

MW: 58.5 kDa

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]

Product images:



Circular map for MR208363