

Product datasheet for **MC218259**

Traf3 (NM_001048206) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf3 (NM_001048206) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Traf3
Synonyms:	A1528849; amn; CAP-1; CD40bp; CRAF1; LAP1; T-BAM
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218259 representing NM_001048206
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCAAGCAAAAAGATGGATGCTGCTGGCACACTGCAGCCTAACCCACCCCTAAAGCTGCAGCCTG
ATCGCGCGCAGGGTCCGTGCTCGTGCCGAGCAAGGAGGCTACAAGGAGAAGTTTGTGAAGACGGTGG
AGACAAGTACAAGTGCGAGAAGTGCCGCCTGGTCTGTGCAACCCGAAGCAGACGGAGTGTGGCCACCGG
TTCTGCGAGAGCTGCATGGCCGCCCTGCTGAGCTCCTCCAGTCCAAAATGCACAGCGTGCCAAGAAAGCA
TCATCAAAGACAAGGTGTTAAGGATAATTGCTGCAAGAGAGAGATTCTGGCCCTTCAGGTCTACTGTG
GAATGAAGGCAGAGGTTGTGCGGAGCAGCTGACTCTGGGACATCTGCTGGTGCACCTAAAAATGAATGT
CAGTTTGAGGAACCTCCCTGTCTGCGTGCCGACTGCAAAGAAAAAGTACTGAGAAAAGACTTGGGGATC
ACGTGGAAAAGGCTGTAATACCGCGAGGCCACGTGCAGTCACTGCAAGAGCCAAGTGCCCATGATCAA
ACTGCAGAAACATGAAGACACAGATTGTCCCTGTGTGGTGGTATCCTGCCCTCACAAGTGCAGCGTTCAG
ACTCTTCTAAGGAGTGAGGGTACAACCCAGCAGATCAAGGCCATGAGGCCAGCTCCGCGGTACAGCAGG
TGAACCTGCTGAAGGAGTGGAGCAACTCCCTGGAGAAGAAGGTTCCCTGCTGCAGAATGAAAGTGTGA
GAAAAACAAGAGCATCCAAAGCTGCACAACAGATCTGCAGCTTTGAGATCGAGATTGAGAGGCAGAAG
GAGATGCTCCGAAACAACGAGTCCAAGATCCTTCCCTGCAGCGGGTAATCGACAGCCAAGCAGAGAAAAC
TGAAAGAACTGGACAAGGAGATCCGTCCCTTCCGGCAGAACTGGGAGGAAGCGGACAGCATGAAGAGCAG
TGTGGAGTCCCTCCAGAACCAGTGACTGAGCTGGAGAGCGTAGACAAAAGTGGGGGCAGGCGGCTCGC
AACACAGGCTTGCTGGAGTCCCAGCTGAGCCGGCATGACCAGATGTTGAGTGTTCATGACATCCGTTGG
CCGACATGGACCTGCGGTTCCAGTCTCGAGACCGCCAGTACAACGGGGTGTGATCTGGAAGATCCG
TGACTACAAGCGCCGGAAGCAGGAGGCCGTCATGGGGAAGACCCTGTCTCTCTACAGCCAGCCTTTCTAC
ACAGGTTATTTTGGCTATAAGATGTGTGCCAGGCTACCTGAATGGGGACGGAATGGGGAAGGGACAC
ACTTGTGCTGTTTTTTGTGATTATGCGTGGAGAATATGATGCTCTGTTGCCATGGCCGTTCAAGCAGAA
AGTGACACTTATGCTGATGGATCAGGGTCTCTCGCCGTCTCTGGGAGATGCGTTCAAGCCTGACCCC
AACAGCAGCAGCTTCAAGAAACCCACGGAGAGATGAATATCGCCTCTGGCTGCCAGTCTTTGTCGCCC
AAACTGTTCTAGAGAACGGGACGTATATTAAGATGATACAATCTTTATTAAGGTCATAGTGATACCTC
GGATCTGCCTGACCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001048206
Insert Size: 1629 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001048206.1](#), [NP_001041671.1](#)

RefSeq Size: 6906 bp

RefSeq ORF: 1629 bp

Locus ID: 22031

Cytogenetics: 12 60.94 cM

Gene Summary: Regulates pathways leading to the activation of NF-kappa-B and MAP kinases, and plays a central role in the regulation of B-cell survival. Part of signaling pathways leading to the production of cytokines and interferon. Required for normal antibody isotype switching from IgM to IgG. Plays a role T-cell dependent immune responses. Plays a role in the regulation of antiviral responses. Is an essential constituent of several E3 ubiquitin-protein ligase complexes. May have E3 ubiquitin-protein ligase activity and promote 'Lys-63'-linked ubiquitination of target proteins. Inhibits activation of NF-kappa-B in response to LTBR stimulation. Inhibits TRAF2-mediated activation of NF-kappa-B. Down-regulates proteolytic processing of NFKB2, and thereby inhibits non-canonical activation of NF-kappa-B. Promotes ubiquitination and proteasomal degradation of MAP3K14.[UniProtKB/Swiss-Prot Function]