

Product datasheet for **MC218993**

Traf3ip2 (NM_134000) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf3ip2 (NM_134000) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Traf3ip2
Synonyms:	Act1; AI429613; CIKS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218993 representing NM_134000
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACCGAAGCATTCCCGTGGAGTTGATGAATCAGAACCATTCCCGAGTCAATTGCTGAAACCGATCC
CAGAATACTCTCCAGAAGAGGAATTGGAACCACCTGCCCCAATACAAGGAACATGGCACCCAGCAGCTT
GTCTGTGCTCCAGTGCCTCCCTGAAACTGGCAAACCACCGCCTGTGTCACAACAGGTCACCTGCCTG
CGAGCTAAAGTCTCGAGGAAGGTGAAGCCAGTTTCTTTAGAAGGCACCCTGAACTTGGCAAAGATATTT
CCTCATGTTCTCTGGAGCCAGCAGCCTGAGTCTGAGCTCGGAGCCCTCCCTCCAGAGCATCGGTTAC
ACTTACGAAAAACGCAATAGATGGCTGGGATCTCAGCTTTCAGCAGCTTCTCCTGACACTGGCCATGAA
TCAGACAAATCAGACCCAAGTTTACCTAATGCTTTGGCAGACTCCTTCAGTGGTGGCCAAGAGATGATGC
CCCGGCCCGGCCCGCCCTGGGCCACAGGCACAGGGCAGCCCAAGATGTGCCACGATAGACACTGG
CTATGATTCAGCCCAAGATGTCCTGGGCATCAGGCAGTTGGAGAGGCCATTGCCCTCACCTCTCG
TGTTACCTGCAGGACCTCCCTGGCCTCTGAGGTCCAGGGAATTGCCACCTCAGTTTGAACCTTGAGAGGT
ATCCAATGAACGCCAGCTGCTGCCGCCCATCTTCCCAACAGGCCCATGGAAGTGTGAGTACTACTG
CCCCGGAGGGCCCTACCACCACAGGTGCCACAGGCCATGGCTACCCTCCAGCAGCAGCCTACCAGCAA
GTACTCCAGCCTGCTCTGCCTGGCAGGTCCTTCTGGGGCAAGGGCAAGAGGCCACGCCCTGTGCAGA
AGGTATCCTGAATGACTCCAGCCCCAAGACCAAGAAGAGAGACCTGCACAGAGAGACTTCTTTTCCC
GAGGCTCCCGAGGGACCAGCTCTACGCCACCATCTAATGGAGTGAAGCCCTGAGGAGTCTTGGAC
CTTCTGCAGAGCTGAGACCACATGGTCCCAGGCTCCATCCCTAGCTGCCGTGCCTAGACCCCTAGCA
ACCCCTTAGCCCCGAGGAACTCTAAGAACCAGCAATTTGCCAGAAGAATTACGAAAAGTCTTATCACTTA
TTCTATGGACACAGCCATGGAGGTGGTGAATTTGTGAACCTTCTGTTGGTGAACGGCTTCCAAACTGCG
ATTGACATATTTGAGGATAGAATCCGGGTATTGATATCATTAAATGGATGGAGCGCTATCTTCGAGATA
AGACAGTGATGATAATCGTAGCAATCAGCCCCAAATACAAACAGGATGTGGAAGGCGCTGAGTCGCAGCT
GGACGAGGACGAGCATGGCTTACATACTAAGTACATTCATCGGATGATGCAGATTGAGTTCATAAGTCAG
GGAAGCATGAACTTCAGATTCATCCCTGTGCTTCCCAATGCCAAGAAGGAGCATGTGCCGACCTGGC
TTCAGAACTCATGTTTACAGCTGGCCCAAGAATAAGAAAAACATCCTGCTGCGGCTGCTCAGGGAGGA
AGAGTATGTGGCTCTCCCGAGGCCCTGCCCCACCTTCAGGTGGTACCCTTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1908_g10.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_134000

Insert Size: 1668 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: [BC096483](#), [AAH96483](#)

RefSeq Size: 2867 bp

RefSeq ORF: 1668 bp

Locus ID: 103213

UniProt ID: [Q8N7N6](#)

Cytogenetics: 10 B1

Gene Summary: E3 ubiquitin ligase that catalyzes 'Lys63'-linked polyubiquitination of target protein, enhancing protein-protein interaction and cell signaling (By similarity). Transfers ubiquitin from E2 ubiquitin-conjugating enzyme UBE2V1-UBE2N to substrate protein (By similarity). Essential adapter molecule in IL17A-mediated signaling (PubMed:19825828). Upon IL17A stimulation, interacts with IL17RA and IL17RC receptor chains through SEFIR domains and catalyzes 'Lys63'-linked polyubiquitination of TRAF6, leading to TRAF6-mediated activation of NF-kappa-B and MAPkinase pathways (PubMed:19825828).[UniProtKB/Swiss-Prot Function]