

Product datasheet for **MC228093**

Traf2 (NM_001290413) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf2 (NM_001290413) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Traf2
Synonyms:	A1325259
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228093 representing NM_001290413
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCAGCCAGTGTGACTTCCCTGGCTCCCTAGAAGTCTACAGCCTGGTCTTCCAAGACCTCC
 TGGGACCAGGTTAGAAGCCAAGTACCTCTGTTACGCCTGCAAAAACATCCTGCGGAGGCCCTTCCAGGC
 CCAGTGTGGGCACCGCTACTGCTCCTTCTGCCTGACCAGCATCCTCAGGTGTGCATCCATTCTCTCCAGC
 TCTGGGCCCCAGAAGTGTGCTGCCTGTGTCTATGAAGGCCTGTATGAAGAAGGCATTTCTATTTAGAGA
 GTAGTTCGGCCTTCCAGATAACGCTGCCCGCAGAGAGGTGGAGAGCCTGCCAGCTGTCTGTCCCAATGA
 TGGATGCACTTGAAGGGGACCTTGAAGAATACGAGAGCTGCCACGAAGGACTTTGCCATTCTGCTG
 ACGGAGTGTCTGCATGTAAGGCCTGGTCCGCTCAGCGAGAAGGAGCACCACACTGAGCAGGAATGCC
 CAAAAGGAGCCTGAGCTGCCAGCACTGCAGAGCACCTGTAGCCACGTGGACCTGGAGGTACACTATGA
 GGTCTGCCCAAGTTCCCTAACCTGTGATGGCTGTGGCAAGAAGAAGATCCCTCGGGAGACGTTTCAG
 GACCATGTTAGAGCATGCAGAAATGCCGGTTCCTGTCAGATCCACACCGTTGGCTGTTCCAGAGATGG
 TGGAGACTGAGAACCTGCAGGATCATGAGCTGCAGCGGCTACGGGAACACCTAGCCCTACTGCTGAGCTC
 ATCTTGGAGGCCAAGCCTCTCCAGGAACCTTGAACCAGGTGGGGCCAGAGCTACTCCAGCGGTGCCAG
 ATTTTGGAGCAGAAGATAGCAACCTTGGAGAATTGTCTGCGTCTTGAACCGTGAAGTAGAGAGGGTAG
 CAGTGACTGCAGAGGCTTGTAGCCGGCAGCACCGGCTAGACCAGGACAAGATTGAGGCCCTGAGTAACAA
 GGTGCAACAGCTGGAGAGGAGCATCGGCCCTCAAGGACCTGGCCATGGCTGACCTGGAGCAGAAGGTCTCC
 GAGTTGGAAGTATCCACCTATGATGGGGTCTTCTGGAAGATCTGACTTCACCAGAAAGCGTCAGG
 AAGCCGTAGCTGGCCGGACACCAGCTATCTTCTCCCGCCTTCTACACAAGCAGATATGGCTACAAGAT
 GTGTCTACGAGTCTACTTGAATGGCGACGCACTGGGCGGGGAACATCATCTGTCTCTTCTTCGTGGTG
 ATGAAAGGCCCAATGATGCTCTGTTGCAGTGGCCTTTAATCAGAAGGTAACATTGATGTTGCTGGACC
 ATAACAACCGGGAGCATGTGATCGAGCATTAGGCCCGATGTAACCTCGTCTCTTCCAGAGGCCGTG
 CAGTGACATGAACATCGCCAGTGGCTGCCCTCTTCTGCCCTGTGTCCAAGATGGAGGCCAAGAATTCC
 TATGTGCGGGATGATGCGATCTTATCAAAGCTATTGTGGACCTAACAGGACT**TAG**

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001290413
- Insert Size:** 1527 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001290413.1](#), [NP_001277342.1](#)

RefSeq Size: 3065 bp

RefSeq ORF: 1527 bp

Locus ID: 22030

UniProt ID: [P39429](#)

Cytogenetics: 2 A3

Gene Summary: Regulates activation of NF-kappa-B and JNK and plays a central role in the regulation of cell survival and apoptosis. Required for normal antibody isotype switching from IgM to IgG. Has E3 ubiquitin-protein ligase activity and promotes 'Lys-63'-linked ubiquitination of target proteins, such as BIRC3, RIPK1 and TICAM1. Is an essential constituent of several E3 ubiquitin-protein ligase complexes, where it promotes the ubiquitination of target proteins by bringing them into contact with other E3 ubiquitin ligases. Regulates BIRC2 and BIRC3 protein levels by inhibiting their autoubiquitination and subsequent degradation; this does not depend on the TRAF2 RING-type zinc finger domain. Isoform 2 does not seem to mediate activation of NF-kappa-B but inhibits isoform 1 activity. Plays a role in mediating activation of NF-kappa-B by EIF2AK2/PKR. In complex with BIRC2 or BIRC3, promotes ubiquitination of IKBKE. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).