

## Product datasheet for **MC216484**

### Traf4 (NM\_009423) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Traf4 (NM_009423) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Traf4
Synonyms:	A530032M13Rik; CART1; msp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216484 representing NM\_009423  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCGCTTCGACTACAAGTTCTGGAGAAGCCCAAGCGGCGCTGCTGTGCCACTGTGCGGAAGC  
 CCATGCGCGAGCCTGTGCAGGTGTCTACTTGTGGCCACCGCTTCTGCGACACCTGCCTGCAGGAGTTTCT  
 CAGTGAAGGAGTCTTCAATGCCCTGAGGACCACTTCTCTGGACTATGCCAAGATCTACCCAGACCCA  
 GAGCTGGAGGTCCAGGTGTAGGCTTGGCTATCCGCTGCATCCACAGTGAGGAGGGCTGCCGCTGGAGCG  
 GGCCACTTCGTACTACAGGGCCACTTGAACACTTGCAGCTTCAATGTAGTCCCCTGCCCTAATCGCTG  
 CCCAGCCAAGCTGAGCCGGCGTGACCTGCCTGCCACCTGCAGCAGACTGCCCTAAGCGCCGCCTCAAG  
 TGTGAATTCTGTGGCTGTGACTTCAGTGGGAGGCCTACGAGAGTCACGAGGGCGTGTGCCCAAGAGA  
 GTGTGTACTGTGAGAACAAGTGTGGGGCCCGCATGATGAGGCGACTGTTGGCCAGCATGCCACGTCTGA  
 TGCCCAAGCGCACCCAGCCCTGTGCCTACTGTACCAAGGAATTTGTTTATGACACCATCCAGAGCCAC  
 CAGTACCAGTGCCACCGCTGCCTGTTCCTGCCCAACCAATGTGGAGTGGGCACTGTGCCCGGGGAAAG  
 ACCTGCCACCCATCTGAAGGATAGCTGCAGCACTGCCTTTGTTCTCTGCCCTTCAAAGAGTCTGGCTG  
 CAAGCACAGGTGCCCTAAGCTGGCAATGGGACGTACGTGGAGGAGAGCGTAAAGCCACATCTGGCTATG  
 ATGTGTGCCCTGGTGAGCCGACAGCGGCAAGAGCTGCAGGAGCTGCGAAGAGAGCTGGAAGAAGTATCCA  
 TAGGCAGCGATGGAGTGTCTATCTGGAAGATTGGCAGCTATGGGCGTCGTCTACAAGAGGCCAAGGCCAA  
 GCCTAACCTGGAGTGCTTACGCCAGCCTTCTATACGCATAAGTACGGCTACAAGCTGCAGGTGTCTGCA  
 TTCCTCAACGGCAACGGCAGTGGTGAGGGCACACACCTCTCCATCTACATCCGTGTCTTGGCGGGCGCT  
 TTGACAACTCCTTGAGTGGCCCTTGGCCGGGGTCACTTCTCCCTGCTGGATCAGATGACCCAGG  
 TTTGGCTAAGCCACAGCATGTCACTGAGACCTTCCACCCTGATCCAAACTGGAAGAAGTCCAGAAGCCC  
 GGCACGTGGCGAGGCTCCCTGGATGAGAGTTCTCTGGGCTTCGGCTACCCCAAGTTCATTTCCACCAGG  
 ACATCCGAAAGCGGAAGTACGTGCGGGATGATGCGGTTTTTCATCCGTGCCTCTGTGCAACTGCCCGGAA  
 GATCCTCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_009423

**Insert Size:** 1413 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](mailto: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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_009423.4</a></u> , <u><a href="#">NP_033449.2</a></u>
<b>RefSeq Size:</b>	3016 bp
<b>RefSeq ORF:</b>	1413 bp
<b>Locus ID:</b>	22032
<b>UniProt ID:</b>	<u><a href="#">Q61382</a></u>
<b>Cytogenetics:</b>	11 B5
<b>Gene Summary:</b>	Adapter protein and signal transducer that links members of the tumor necrosis factor receptor (TNFR) family to different signaling pathways. Plays a role in the activation of NF-kappa-B and JNK, and in the regulation of cell survival and apoptosis. Regulates activation of NF-kappa-B in response to signaling through Toll-like receptors. Required for activation of RPS6KB1 in response to TNF signaling. Modulates TRAF6 functions (By similarity). Required for normal skeleton development, and for normal development of the respiratory tract. [UniProtKB/Swiss-Prot Function]