

Product datasheet for **MG217132**

Traf4 (NM_009423) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf4 (NM_009423) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Traf4
Synonyms:	A530032M13Rik; CART1; msp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217132 representing NM_009423
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGCTTCGACTACAAGTTCCTGGAGAAGCCCAAGCGGCGCTGCTGTGCCACTGTGCGGAAGC
 CCATGCGCGAGCCTGTGCAGGTGTCTACTTGTGGCCACCGCTTCTGCGACACCTGCCTGCAGGAGTTTCT
 CAGTGAAGGAGTCTTCAATGCCCTGAGGACCACTTCTCTGGACTATGCCAAGATCTACCCAGACCCA
 GAGCTGGAGGTCCAGGTGTAGGCTTGGCTATCCGCTGCATCCACAGTGAGGAGGGCTGCCGCTGGAGCG
 GGCCACTTCGTACTCTACAGGGCCACTTGAACACTTGCAGCTTCAATGTAGTCCCCTGCCCTAATCGCTG
 CCCAGCCAAGCTGAGCCGGCGTGACCTGCCTGCCACCTGCAGCAGACTGCCCTAAGCGCCGCCTCAAG
 TGTGAATTCTGTGGCTGTGACTTCAAGTGGGAGGCTACGAGAGTACGAGGGCGTGTGCCCAAGAGA
 GTGTGTACTGTGAGAACAAGTGTGGGGCCCGATGATGAGGCGACTGTTGGCCAGCATGCCACGTCTGA
 TGCCCAAGCGCACCCAGCCCTGTGCCTACTGTACCAAGGAATTTGTTTATGACACCATCCAGAGCCAC
 CAGTACCAGTGCCACCGCTGCCTGTCCCTGCCCAACCAATGTGGAGTGGGCACTGTGGCCCGGGAAG
 ACCTGCCACCCATCTGAAGGATAGCTGCAGCACTGCCTTTGTTCTCTGCCCTTCAAAGAGTCTGGCTG
 CAAGCACAGGTGCCCTAAGCTGGCAATGGGACGTACGTGGAGGAGAGCGTAAAGCCACATCTGGCTATG
 ATGTGTGCCCTGGTGGCCGACAGCGGCAAGAGCTGCAGGAGCTGCGAAGAGAGCTGGAAGAAGTATCCA
 TAGGCAGCGATGGAGTGTCTATCGAAGATTGGCAGCTATGGGCGTCGTCTACAAGAGGCCAAGGCCAA
 GCCTAACCTGGAGTGTTCAGCCAGCCTTCTATACGCATAAGTACGGCTACAAGCTGCAGGTGTCTGCA
 TTCTCAACGGCAACGGCAGTGGTGGGGCACACACCTTCCATCTACATCCGTGTCTTGGCGGGCGCT
 TTGACAATCTCCTTGGTGGCCCTTGGCCGCGGTCACCTTCTCCCTGCTGGATCAGAGTGACCCAGG
 TTTGGCTAAGCCACAGCATGTCACTGAGACCTTCCACCCTGATCCAACTGGAAGAAGTCCAGAAGCCC
 GGCAGTGGCGAGGCTCCCTGGATGAGAGTTCTCTGGGCTTCGGCTACCCCAAGTTCATTTCCACCAGG
 ACATCCGAAAGCGGAAGTACGTGCGGGATGATGCGGTTTTTCATCCGTGCCTCTGTGAACTGCCCGGAA
 GATCCTCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217132 representing NM_009423
 Red=Cloning site Green=Tags(s)

MPGFDYKFLKPKRRLLCPLCGKPMREPQVSTCGHRFCDTCLQEFLSEGVFKCPEDQLPLDYAKIYPDP
 ELEVQVLGLAIRCIHSEEGCRWSGPLRHLQHLNLCFNVVPCPNRCPAKLSRRDLPAHLQHDCPKRRLK
 CEF CGCDFSGEAYESHEGVCPQESVYCENKCGARMRRLLAQHATSECPKRTQPCAYCTKEFVYDTIQSH
 QYQCPRLPVPCPNQCGVGTVAREDLPTHLKDESCSTAFVLCPFKESGCKHRCPKLAMGRHVEESVKPHLAM
 MCALVSRQRQELQELRRELEELSIGSDGVLWIKIGSYGRRLQEAkakPNLECFSPAFYTHKYGYKLQVSA
 FLNNGSGEGTHLSIYIRVLPGAFDNLLEWPFARRVTFSLLDQSDPGLAKPQHVTETTFHPDPNWNKFQK
 GTWRGSLDESSLGFGYPKFIHQDIRKRNRYRDDAVFIRASVELPRKILS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_009423

ORF Size: 1410 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](#)

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

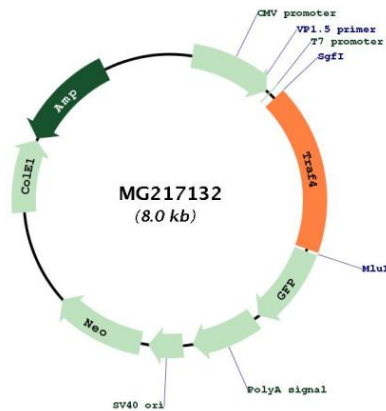
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_009423.4, NP_033449.2](#)
 RefSeq Size: 3016 bp
 RefSeq ORF: 1413 bp
 Locus ID: 22032
 UniProt ID: [Q61382](#)
 Cytogenetics: 11 B5

Gene Summary: 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]

Product images:



Circular map for MG217132