

## Product datasheet for **MG208489**

### Traf6 (NM\_009424) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Traf6 (NM_009424) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Traf6
Synonyms:	2310003F17Rik; AI851288; C630032O20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208489 representing NM\_009424  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTCTCTAAACTGTGAGAACAGCTGCGGGTCCAGCCAGTCGTCCAGTGACTGCTGCGCTGCCATGG  
 CCGCCTCTGCAGCGCTGCAAGTAAAGATGACAGCGTGAGTGGCTCTGCCAGCACCGGGAACCTCTCCAG  
 CTCCTTATGGAGGAGATCCAGGGCTACGATGTGGAGTTTGACCCACCTCTGGAGAGCAAGTATGAGTGT  
 CCCATCTGCTTGTGGCTTTACGGGAAGCAGTGCAAAACACCATGTGGCCACAGGTTCTGCAAAGCCTGCA  
 TCATCAAATCCATAAGGGATGCAGGGCACAAGTGCCAGTTGACAATGAAATACTGCTGGAAAATCAACT  
 GTTCCCGACAATTTGCAAAGCAGAGATTCTTCCCTGACGGTAAAGTGCCCAATAAAGGCTGTTTG  
 CAAAAGATGGAAGTGAACATCTCGAGGATCATCAAGTACATTGTGAATTTGCTCTAGTGAATTGCCCC  
 AGTGCCAAAGTCTTTCCAGAAGTGCCAGGTAATACACACATTATTGAGGATTGCCAGGAGGCGAGT  
 TTCTTGTGTAAGTGTGTGTCCATGGCATATGAAGAGAAAGAGATCCATGATCAAAGCTGTCCTCTG  
 GCAAAATATCATCTGTGAATACTGTGGTACAATCCATCATCAGAGAACAGATGCCTAATCATTATGATCTGG  
 ACTGCCAACAGCTCCAATCCCTTGACATTCAGTGTTTTGGCTGTCATGAAAAGATGCAGAGGAATCA  
 CTTGGCACGACACTTGAAGAGAATACCCAGTTGCACATGAGACTGTTGGCCAGGCTGTTCATAATGTT  
 AACCTTGCTTTGCGTCCGTGCGATGCCGCTCTCCATCCCGGGATGTCGTCCAGAGGACCCAAATTATG  
 AGGAAACTATCAAACAGTTGGAGAGTCCGCTAGTAAGACAGGACCATCAGATCCGGGAGCTGACTGCCAA  
 AATGGAAGTCAAGATGTACGTGGGCGAGCTCAAACGGACATTCCGACCTGGAGGACAAGGTTGCC  
 GAAATGGAAGCACAGCAGTGTACCGGATCTACATTTGGAAGATTGGCAACTTTGGGATGCACCTGAAAT  
 CCCAAGAAGAGAAAGACCTGTTGTCCATCCATAGCCCTGGATTCTACACAGGCAGACCTGGGTACAAGCT  
 GTGCATGCGCCTGCATCTTCAGTTACCGACAGCTCAGCGCTGTGCAAACTATATATCCCTTTTTGTCCAC  
 ACAATGCAAGGAGAATATGACAGCCACCTCCCCTGGCCCTCCAGGGTACAATACGCCTTACAATTCTCG  
 ACCAGTCTGAAGCACTTATAAGGCAAACCACGAAGAGGTGATGGACGCCAAACCAGAAGTCTTGCCTT  
 TCAGCGACCCACAATCCACGGAACCCAAAGTTTTGGCTATGTAACATTTATGCACCTGGAAGCCTTA  
 AGACAGGGAACCTTCATTAAGGATGATACATTACTAGTGCCTGTGAAGTCTCTACCCGCTTTGACATGG  
 GTGGCCTTCGGAAGGAGGTTTTCCAGCCACGAAGTACTGATGCGGGGGTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208489 representing NM\_009424  
 Red=Cloning site Green=Tags(s)

MSLLNCENSCGSSQSSSDCCAAMAASCSAAVKDDSVSGSASTGNLSSSFMEEIQGYDVEFDPPPLESKYEC  
 PICLMALREAVQTPCGHRFCACIKSIRDAGHKCPVDNEILLENQLFPDNFAKREILSLTVKCPNKGCL  
 QKMELRHLEDHQVHCEFALVNCPQCQRPFQKCQVNTIIEDCPRRQVSCVNCVSMAYEEKEIHDQSCPL  
 ANIICEYCGTILIREQMPNHYDLDCPTAPICTFSVFGCHEKMQRNHLARHLQENTQLHMRLLAQAVHNV  
 NLALRPCDAASPSRGRCPEDPNYEETIKQLESRLVRQDHQIRELTAKMETQSMYVYVGLKRTIRTLEDKVA  
 EMEAQQNCNGIYIWKIGNFGMHLKSQEEERPVIHSPGFYTGTPGYKLCMRLHLQLPTAQRCANYISLFBVH  
 TMQGEYDHLPPWFQGTIRLTILDQSEALIRQNHHEEVMDAKPELLAFQRPTIPRNPKGFGYVTFMHLEAL  
 RQGTFIKDDTLLVRCEVSTRFDMGGLRKEGFQPRSTDAGV

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_009424

**ORF Size:** 1590 bp

**OTI Disclaimer:** 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\\_009424.3](#), [NP\\_033450.2](#)

**RefSeq Size:** 5536 bp

**RefSeq ORF:** 1593 bp

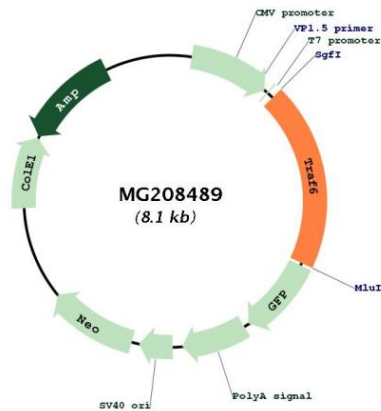
**Locus ID:** 22034

**UniProt ID:** [P70196](#)

**Cytogenetics:** 2 E2

**Gene Summary:**

This gene encodes a member of the TNF receptor associated factor (TRAF) family of adaptor proteins that mediate signaling events from members of the TNF receptor and Toll/IL-1 receptor families to activate transcription factors such as NF-kappa-B and AP-1. The product of this gene is essential for perinatal and postnatal survival. Mice deficient in this protein exhibit osteopetrosis and defective in development of epidermal appendices, normal B cell differentiation, lymph node organogenesis, interleukin-1 signaling, lipopolysaccharide signaling and neural tube closure. This protein possesses ubiquitin ligase activity. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2014]

**Product images:**


Circular map for MG208489