

Product datasheet for **MR230399**

Traf6 (NM_001303273) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf6 (NM_001303273) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Traf6
Synonyms:	2310003F17Rik; AI851288; C630032O20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230399 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCTCTAAACTGTGAGAACAGCTGCGGGTCCAGCCAGTCGTCCAGTGACTGCTGCGCTGCCATGG
 CCGCCTCCTGCAGCGCTGCAAGTAAAGATGACAGCGTGAGTGGCTCTGCCAGCACCGGGAACCTCTCCAG
 CTCCTTATGGAGGAGATCCAGGGCTACGATGTGGAGTTTGACCCACCTCTGGAGAGCAAGTATGAGTGT
 CCCATCTGCTTGTAGGCTTTACGGGAAGCAGTGCAAAACACCATGTGGCCACAGGTTCTGCAAAGCCTGCA
 TCATCAAATCCATAAGGGATGCAGGGCACAAGTGCCAGTTGACAATGAAATACTGCTGGAAAATCAACT
 GTTCCCGACAATTTGCAAAGCAGAGATTCTTCCCTGACGGTAAAGTGCCCAAATAAAGGCTGTTTG
 CAAAAGATGGAAGTGAACATCTCGAGGATCATCAAGTACATTGTGAATTTGCTCTAGTGAATTGCCCC
 AGTGCCAAAGTCCCTTCCAGAAGTGCCAGGTTAATACACACATTATTGAGGATTGTCCAGGAGGCAGGT
 TTCTTGTGTAAGTGTGCTGTGTCATGGCATATGAAGAGAAAGAGATCCATGATCAAAGCTGTCCTCTG
 GCAAATATCATCTGTGAATACTGTGGTACAATCCATCATCAGAGAACAGATGCCTAATCATTATGATCTGG
 ACTGCCAACAGCTCCAATCCCTTGACATTCAGTGTGTTTTGGCTGTCATGAAAAGATGCAGAGGAATCA
 CTTGGCACGACACTTGCAAGAGAATACCCAGTTGCACATGAGACTGTTGGCCAGGCTGTTCATAATGTT
 AACCTTGCTTTGCGTCCGTGCGATGCCGCTCTCCATCCCGGGATGTCGTCCAGAGGACCCAAATTATG
 AGGAAACTATCAAACAGTTGGAGAGTCCCTAGTAAGACAGGACCATCAGATCCGGGAGCTGACTGCCAA
 AATGGAAGTCAAGTATGTACGTGGGCGAGCTCAAACGGACATTCCGACCTGGAGGACAAGGTTGCC
 GAAATGGAAGCACAGCAGTGTAAACGGGATCTACATTTGGAAGATTGGCAACTTTGGGATGCACTTGAAT
 CCCAAGAAGAGGAAAGACTGTTGTCAATCCATAGCCCTGGATTCTACACAGGCAGACCTGGGTACAAGCT
 GTGCATGCGCCTGCATCTTCAGTTACCGACAGCTCAGCGCTGTGCAAACATATATCCCTTTTTGTCCAC
 ACAATGCAAGGAGAATATGACAGCCACCTCCCCTGGCCCTTCCAGGGTACAATACGCCTTACAATTCTCG
 ACCAGTCTGAAGCACTTATAAGGCAAAACCACGAAGAGGTGATGGACGCCAAACCAGAAGTCTTGCCTT
 TCAGCGACCCACAATCCACGGAACCCAAAGTTTTGGCTATGTAACATTTATGCACCTGGAAGCCTTA
 AGACAGGGAACCTTCATTAAGGATGATACATTACTAGTGCCTGTGAAGTCTCTACCCGCTTTGACATGG
 GTGGCCTTCGGAAGGAGGTTTTCCAGCCACGAAGTACTGATGCGGGGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230399 protein sequence
 Red=Cloning site Green=Tags(s)

MSLLNCENSCGSSQSSSDCCAAMAASCSAAVKDDSVSGSASTGNLSSSFMEIIQGYDVEFDPPLESKYEC
 PICLMALREAVQTPCGHRFCACIIKSIRDAGHKCPVDNEILLENQLFPDNFAKREILSLTVKCPNKGCL
 QKMELRHLEDHQVHCEFALVNCPCQRPQKQCQVNTIIEDCPRRQVSCVNCVSMAYEEKEIHDQSCPL
 ANIICEYCGTILIREQMPNHYDLDCPTAPICTFSVFGCHEKMQRNHLARHLQENTQLHMRLLAQAVHNV
 NLALRPCDAASPSRGRPEDPNYEETIKQLESRLVRQDHQIRELTAKMETQSMYVVELKRTIRTLEDKVA
 EMEAQQCNGIYIWKIGNFGMHLKSQEEERPVIHSPGFYTRPGYKLCMRLHLQLPTAQRCANYISLHVH
 TMQGEYDSHLPWPFQGTIRLTILDQSEALIRQNHVEVMDAKPELLAFQRPTIPRNPKGFYVTFMHLEAL
 RQGTFIKDDTLLVRCEVSTRFDMGGLRKEGFQPRSTDAGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001303273

ORF Size: 1593 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_001303273.1](#), [NP_001290202.1](#)

RefSeq Size: 5985 bp

RefSeq ORF: 1593 bp

Locus ID: 22034

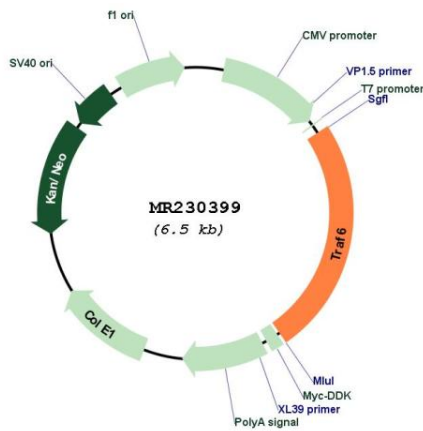
UniProt ID: [P70196](#)

Cytogenetics: 2 E2

MW: 60.1 kDa

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 MR230399