

Product datasheet for **MR230451**

Traf3 (NM_001286122) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf3 (NM_001286122) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Traf3
Synonyms:	AI528849; amn; CAP-1; CD40bp; CRAF1; LAP1; T-BAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230451 representing NM_001286122
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTCAAGCAAAAAGATGGATGCTGCTGGCACACTGCAGCCTAACCCACCCCTAAAGCTGCAGCCTG
 ATCGCGCGCAGGGTCCGTGCTCGTGCCGAGCAAGGAGGCTACAAGGAGAAGTTTGTGAAGACGGTGGA
 AGACAAGTACAAGTGCAGAGAAGTCCGCTGGTGTGCAACCCGAAGCAGACGGAGTGTGCCACCGG
 TTCTGCGAGAGCTGCATGGCCGCCCTGCTGAGCTCCTCCAGTCCAAAATGCACAGCGTGCCAAGAAAGCA
 TCATCAAAGACAAGGTGTTAAGGATAATTGCTGCAAGAGAGAGATTCTGGCCCTCAGGTCTACTGTGCG
 GAATGAAGGCAGAGGTTGTGCGGAGCAGCTGACTCTGGGACATCTGCTGGTGCACCTAAAAATGAATGT
 CAGTTTGAGGAACCTCCCTGTCTGCGTGCCGACTGCAAAGAAAAAGTACTGAGAAAAGACTTGGGGATC
 ACGTGGAAAAGGCTGTAATACCGCGAGGCCACGTGCAGTCACTGCAAGAGCCAAGTGCCCATGATCAA
 ACTGCAGAAACATGAAGACACAGATTGTCCCTGTGTGGTGGTATCCTGCCCTACAAGTGCAGCGTTCAG
 ACTCTTCTAAGGAGTGAAGGTACAACCCAGCAGATCAAGGCCATGAGGCCAGCTCCGCGGTACAGCAGG
 TGAACCTGCTGAAGGAGTGGAGCAACTCCCTGGAGAAGAAGGTTCCCTGCTGCAGAATGAAAGTGTGA
 GAAAAACAAGAGCATCCAAAGCCTGCACAACAGATCTGCAGCTTTGAGATCGAGATTGAGAGGCAGAAG
 GAGATGCTCCGAAACAACGAGTCCAAGATCCTTCCCTGCAGCGGGTAATCGACAGCCAAGCAGAGAAAAC
 TGAAAGAACTGGACAAGGAGATCCGTCCCTTCCGGCAGAACTGGGAGGAAGCGGACAGCATGAAGAGCAG
 TGTGGAGTCCCTCCAGAACCAGTGACTGAGCTGGAGAGCGTAGACAAAAGTGGGGGACAGCGCGCTCGC
 AACACAGGCTTGTGGAGTCCAGCTGAGCCGGCATGACCAGATGTTGAGTGTTCATGACATCCGCTTGG
 CCGACATGGACCTGCGGTTCCAGTCTCGAGACCGCCAGTACAACGGGGTGTGATCTGGAAGATCCG
 TGACTACAAGCGCCGGAAGCAGGAGGCCGTATGGGGAAGACCCTGTCTCTACAGCCAGCCTTTCTAC
 ACAGGTTATTTGGCTATAAGATGTGTGCCAGGCTACCTGAATGGGGACGGAATGGGGAAGGGACAC
 ACTTGTGCTGTTTTTTGTCAATTATGCGTGGAATAATGATGCTCTGTTGCCATGGCCGTTCAAGCAGAA
 AGTGACACTTATGCTGATGGATCAGGGTCTCTCGCCGTATCTGGGAGATGCGTTCAAGCCTGACCCC
 AACAGCAGCAGCTTCAAGAAACCCAGGAGAGATGAATATCGCCTCTGGCTGCCAGTCTTTGTCGCCC
 AAAGTGTCTAGAGAACGGGACGTATATTAAGATGATACAATCTTTATTAAGGTCATAGTGATACCTC
 GGATCTGCCTGACCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230451 representing NM_001286122
 Red=Cloning site Green=Tags(s)

MESSKKMDAAGTLQPNPPLKLQPDREGAGSVLVPEQGGYKEKFKVKTVEDKYKEKCRLLVLCNPKQTECGHR
 FCESCMAALLSSSSPKCTACQESIHKDKVFKDNCKREILALQVYCRNEGRGCAEQLTLGHLLVHLKNEC
 QFEELPCLRADCKEKVLRKDLRDHVEKACKYREATCSHCKSQVPMIKLQKHEDTDCPCVVVSCPHKCSVQ
 TLLRSEGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLQNESVEKNKSIQSLHNQICSFIEIERQK
 EMLRNNESKILHLQRVIDSQAELKELDKAIRPFRQNWEADSMKSSVESLQNRVTELESVDKSAGQAAR
 NTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIWKIRDYKRRKQEAVMGKTLSLYSQPFY
 TGYFGYKMCARVYLVNGDGMGKTHLSLFFVIMRGEYDALLPWPFKQKVTMLMDQGSSRRHLGDAFKPDP
 NSSSFKKPTGEMNIASGCPVFVAQTVLENGTYIKDDTIFIKVIVDTSIDLDPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001286122

ORF Size: 1626 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_001286122.1](#), [NP_001273051.1](#)

RefSeq Size: 6978 bp

RefSeq ORF: 1629 bp

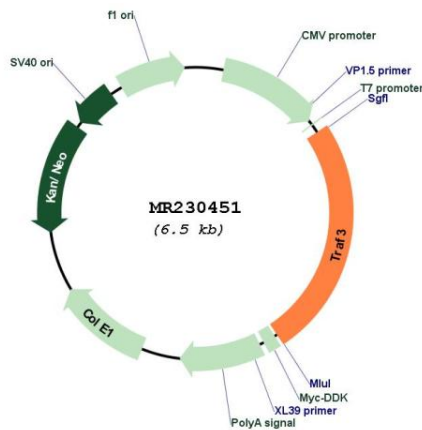
Locus ID: 22031

Cytogenetics: 12 60.94 cM

MW: 61.6 kDa

Gene Summary: Regulates pathways leading to the activation of NF-kappa-B and MAP kinases, and plays a central role in the regulation of B-cell survival. Part of signaling pathways leading to the production of cytokines and interferon. Required for normal antibody isotype switching from IgM to IgG. Plays a role T-cell dependent immune responses. Plays a role in the regulation of antiviral responses. Is an essential constituent of several E3 ubiquitin-protein ligase complexes. May have E3 ubiquitin-protein ligase activity and promote 'Lys-63'-linked ubiquitination of target proteins. Inhibits activation of NF-kappa-B in response to LTBR stimulation. Inhibits TRAF2-mediated activation of NF-kappa-B. Down-regulates proteolytic processing of NFKB2, and thereby inhibits non-canonical activation of NF-kappa-B. Promotes ubiquitination and proteasomal degradation of MAP3K14.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230451