

Product datasheet for MR206422

Traf1 (NM_009421) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Traf1 (NM_009421) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Traf1 |
| Synonyms: | 4732496E14Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR206422 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCAGCTCAGCCCTGATGAAAACGAGTTTCAATTTGGTTGCCCCCTGCTCCCTGCCAGGACC
CATCGGAGCCCAGAGTTCTCTGCTGCACAGCCTGTCTCTCTGAGAACCTGAGAGATGATGAGGATCGGAT
CTGTCTAAATGCAGAGCAGACAACCTCCATCCTGTGAGCCCAGGAAGCCCTCTGACTCAGGAGAAGGTT
CACTCTGATGTAGCTGAGGCTGAAATCATGTGCCCTTTGCAGGTGTTGGCTGTTCTTCAAGGGGAGCC
CACAATCCATGCAGGAGCATGAGGCTACCTCCCAGTCTCCACCTGTACCTGCTGCTGGCGGTCTTAAA
GGAGTGGAAATCCTCACCAGGCTCCAACCTAGGGTCTGCACCCATGGCACTGGAGCGGAACCTGTCAGAG
CTGCAGCTTCAGGCAGCTGTGGAAGCGACAGGGGACCTGGAGGTAGACTGCTACCGGGCACCTTGCTGTG
AGAGCCAGGAAGAAGTGGCCCTGCAGCACTTGGTGAAGGAGAAGCTGCTGGCTCAGCTGGAGGAGAAGCT
GCGTGTGTTTGCAAACATTGTTGCTGTCTCAACAAGGAAGTGGAGGCTTCCACCTGGCACTGGCCGCC
TCCATCCACCAGAGCCAGTTGGACCGAGAGTACATCCTGGGCTTGGAGCAGAGGGTGGTGGAAATTACAGC
AAACCCGGCTCAAAAAGACCAGGTCCTGGCAAGCTTGGACACAGTCTGCGACTCATGGAGGAGGCATC
CTTTGATGGTACTTCTCTCCAGCTTTCTACACTGCCAAGTATGGTTACAAGTTGTGCTGCGCTTGTACC
TGAACGGGATGGCTCAGGCAAGAAGACCACCTGTCCCTCTTCATCGTGATCATGAGAGGAGAATACGA
TGCTCTCTGCCCTGGCCTTTCAGGAACAAGGTACCTTTATGCTACTTGACCAGAAACAACCGAGAGCAT
GCTATTGATGCCTTCCGGCCTGACCTGAGCTCAGCCTCCTTCCAGCGGCCACAGAGTGAGACCAACGTGG
CCAGCGGCTGCCCGCTCTTCTCCCCCTCAGCCAGCTGCAGTCACCCAAGCACGCCTACGTCAAAGATGG
CACAATGTTCTCAAATGCATTGTGGACTAGTGCT

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR206422 protein sequence
 Red=Cloning site Green=Tags(s)

MASSAPDENEFQFGCPPAPCQDPSEPRVLCCTACLSENLRDDEDRI^{*}CPKCRADNLHPVSPGSPLTQEKV
 HSDVAEAEIMCPFAGVGCSPKSPQSMQEHEATSQSSHL^{*}YLLAVLKEWKSSPGSNLGSAPMALERNLSE
 LQLQAAVEATGDLEVDCYRAPCCESQEELALQHLVKEKLLAQL^{*}EELRVFANIVAVLNKEVEASHLALAA
 SIHQSQLDREYILGLEQRVVELQQTLAQK^{*}DQVLGKLEHSLRLMEEASFDGTFLWKITNVTKRCHESVCGR
 TVSLFSPAFY^{*}TAKYGYKLCLRLYLNGDGS^{*}GKTHLSLFI^{*}VIMRGEYDALLPWPFRNKVTFMLLDQNNREH
 AIDAFRPDLSSASFQRPQSETNVASGCPLFFP^{*}LSQLQSPKHAYVKDGT^{*}MFLKICIVDTSA

TRTRPLE^{*}QKLI^{*}SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009421

ORF Size: 1230 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_009421.1](#), [NM_009421.2](#), [NM_009421.3](#), [NM_009421.4](#), [NP_033447.2](#)

RefSeq Size: 2325 bp

RefSeq ORF: 1230 bp

Locus ID: 22029

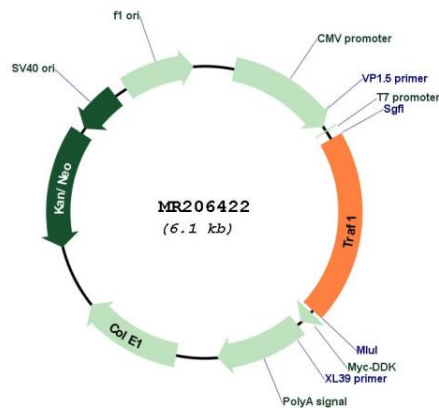
UniProt ID: [P39428](#)

Cytogenetics: 2 B

MW: 45.4 kDa

Gene Summary: Adapter molecule that regulates the activation of NF-kappa-B and JNK. Plays a role in the regulation of cell survival and apoptosis. The heterotrimer formed by TRAF1 and TRAF2 is part of a E3 ubiquitin-protein ligase complex that promotes ubiquitination of target proteins, such as MAP3K14. The TRAF1/TRAF2 complex recruits the antiapoptotic E3 protein-ubiquitin ligases BIRC2 and BIRC3 to TNFRSF1B/TNFR2 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206422