

Product datasheet for **RC234029**

TRAF1 (NM_001190945) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRAF1 (NM_001190945) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TRAF1
Synonyms: EBI6; MGC:10353
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC234029 representing NM_001190945
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCAGCTCAGGCAGCAGTCTCGCCCGGCCCTGATGAGAATGAGTTTCCCTTTGGGTGCCCTC
CCACCGTCTGCCAGGACCAAAGGAGCCAGGGCTCTCTGCTGTGCAGGCTGTCTCTGAGAACCCGAG
GAATGGCAGGATCAGATCTGCCCAAATGCAGAGGGGAAGACCTCCAGTCTATAAGCCAGGAAGCCGT
CTTCGAAGTCAAGGAAAGGCTCACCCGAGGTGGCTGAGGCTGGAATTGGGTGCCCTTTGCAGGTGTCG
GCTGCTCCTTCAAGGAAAGCCACAGTCTGTGCAAGAGCATGAGGTCACCTCCCAGACCTCCACCTAAA
CCTGCTGTTGGGTTTCATGAAACAGTGAAGGCCCGGCTGGGCTGTGGCTGGAGTCTGGGCCATGGCC
CTGGAGCAGAACCTGTCAGACCTGCAGCTGCAGGCAGCCGTGGAAGTGGCGGGGACCTGGAGGTCGATT
GCTACCGGGCACCTGCTCCGAGAGCCAGGAGGAGCTGGCCCTGCAGCACTTCATGAAGGAGAAGCTTCT
GGCTGAGCTGGAGGGGAAGCTGCGTGTGTTGAGAACAATTGTTGCTGTCTCAACAAGGAGGTGGAGGCC
TCCACCTGGCCCTGGCCACCTATCCACCAGAGCCAGCTGGACCGTGAGCGCATCCTGAGCTTGGAGC
AGAGGGTGGTGGAGCTTCAGCAGACCTGGCCAGAAAGACCAGGCCCTGGGCAAGCTGGAGCAGAGCTT
GCGCCTCATGGAGGAGGCTCCTTCGATGGCACTTCTCTGTTGGAAGATCACCAATGTCACCAGGCGGTGC
CATGAGTCGGCCTGTGGCAGGACCGTCAGCCTTCTCCCAAGCTTCTACACTGCCAAGTATGGCTACA
AGTTGTGCTGCGGCTGTACCTGAATGGAGATGGCACTGGAAAGAGAACCATCTGTGCTCTTTCATCGT
GATCATGAGAGGGAGTATGATGCGCTGTGCCGTGGCCTTTCCGGAACAAGGTACCTTTCATGCTGCTG
GACCAGAACAAACCGTGGACAGCCATTGACGCTTCCGCGCTGACCTAAGCTCAGCGTCTTCCAGAGGC
CCCAGAGTGAAACCAACGTGGCCAGTGGATGCCCACTTCTTCCCCCTCAGCAAAGTGCAGTACCCAA
GCACGCTACGTGAAGGACGACACAATGTTCTCAAGTGCATTGTGGAGACCAGCACT

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC234029 representing NM_001190945
Red=Cloning site Green=Tags(s)

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MASSSGSSPRPAPDENEFPGPPTVCQDPKEPRALCCAGCLSENPRNGEDQICPKCRGEDLQSI SPGSR
LRTQEKAPHEVAEAGIGCPFAGVGCSFKGSPQSVQEHEVTSQTSHLNLLLGFMKQWKARLGCGLGSGPMA
LEQNLSDLQLQAAVEVAGDLEVDCYRAPCSESQEELALQHFMEKLLAELEGKLRVFENIVAVLNKEVEA
SHLALATSIHQSQLDRERILSLEQRVVELQQTLAQKDQALGKLEQSLRLMEEASFDTGTFWLKWTINVTTRC
HESACGRTVSLFSPA FYTAKYGYKLCRLYLNGDGTGKRTHLSLFI VIMRGEYDALLPWPFRNKVTFMLL
DQNNREHAIDAFRPDLSSASFQRPQSETNVASGCPLFFPLSKLQSPKHAYVKDDTMFLKCI VETST
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6228_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190945

ORF Size: 1248 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_001190945.1](#), [NP_001177874.1](#)

RefSeq Size: 4303 bp

RefSeq ORF: 1251 bp

Locus ID: 7185

UniProt ID: [Q13077](#)

Cytogenetics: 9q33.2

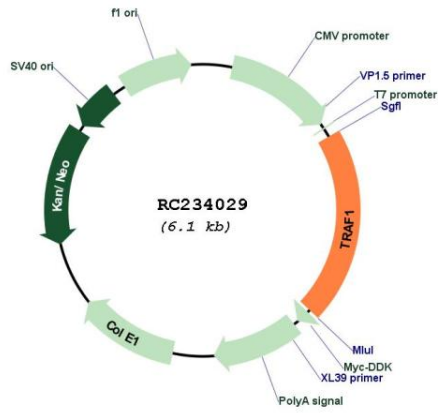
Protein Families: Druggable Genome

Protein Pathways: Pathways in cancer, Small cell lung cancer

MW: 46.2 kDa

Gene Summary: The protein encoded by this gene is a member of the TNF receptor (TNFR) associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from various receptors of the TNFR superfamily. This protein and TRAF2 form a heterodimeric complex, which is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF2 also interacts with inhibitor-of-apoptosis proteins (IAPs), and thus mediates the anti-apoptotic signals from TNF receptors. The expression of this protein can be induced by Epstein-Barr virus (EBV). EBV infection membrane protein 1 (LMP1) is found to interact with this and other TRAF proteins; this interaction is thought to link LMP1-mediated B lymphocyte transformation to the signal transduction from TNFR family receptors. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

Product images:



Circular map for RC234029