

Product datasheet for **SC116622**

TRAF1 (NM_005658) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAF1 (NM_005658) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRAF1
Synonyms:	EBI6; MGC:10353
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_005658 edited
GAATTCGGCACGAGGCATCAGAACCCTGTGAGGAAGTGACTTCTCCTTGAGGTCACCC
AGACACTCCAAACAGAGCAGAGCAAAAGCGCCTAGAACTTGAAATTTTGGACCTGTCTCC
AACACCCTGGGGATTTCCACCAGGAAGCCTTCACTCACCATCCAGGGGATTTTATCGCC
ACAAAGGGTAATTCCTGCTCCATCCCTGCTGTGACTCAGCTGTGACGTTGAACACACAA
GCCAGAGAGAAGAAGATAAAGTCATCAGAGCTCCTACTCACCAGAGAGTGAGGCCAGGC
CAGGACTCCACAAGGCTGGTCCCCTGCCCTGGAGCAACTTAAACAGGCCCTCTGGCCAGC
CTGGAACCCTGAGATGGCCTCCAGCTCAGGCAGCAGTCCTCGCCGGCCCTGATGAGAA
TGAGTTTCCCTTTGGGTGCCCTCCACCCTGTCAGGACCCAAAGGAGCCAGGGCTCT
CTGCTGTGACGGCTGTCTCTGAGAACCAGGAATGGCGAGGATCAGATCTGCCCAA
ATGCAGAGGGGAAGACCTCCAGTCTATAAGCCAGGAAGCCGTCTTGAACCTCAGGAGAA
GGCTCACCCGAGGTGGCTGAGGCTGGAATTGGGTGCCCTTTGCAGGTGTCGGCTGCTC
CTTCAAGGAAGCCACAGTCTGTGCAAGAGCATGAGGTCACCTCCAGACCTCCACCT
AAACCTGCTGTTGGGTTTCAAGACAGTGAAGGCCCGGCTGGGCTGTGGCCTGGAGTC
TGGGCCATGGCCCTGGAGCAGAACCTGTGACACTGCAGCTGCAGGCAGCCGTGGAAGT
GGCGGGGACCTGGAGGTGATTGCTACCGGGACCCTGCTCCGAGAGCCAGGAGGAGCT
GGCCCTGCAGCACTTCATGAAGGAGAAGCTTCTGGCTGAGCTGGAGGGGAAGCTGCGTGT
GTTTGAGAACATTGTGCTGTCTCAACAAGGAGGTGGAGGCCTCCCACCTGGCCCTGGC
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CACCAGGCGGTGCCATGAGTCGGCCTGTGGCAGGACCGTCAGCCTTCTCCCCAGCCTT
CTACACTGCCAAGTATGGTACAAGTTGTGCTGCGGCTGTACCTGAATGGAGATGGCAC
TGAAAAGAGAACCCTATGTCGCTCTTCACTCGTGATCATGAGAGGGGAGTATGATGCGCT
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GGGCTGGGCCACAAAGGCAAAGGGTCCAGAAGGAGACAGGCAGAGCTGCTCCCCCTGTC
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CTCTCGGGCTAGGAAGATCTCTGCAGGGCCGCCAGGGAGACCTGGACACAGGCCTGCTCT
CTTTTTCTCAGGGTCAAGAACAGGACCGGGTGAAGGGATGGGGTGCAGTTTGAATGC
AGTCTGTCCAGGCTCGTCAATTGGAGGTGAACAAGCAAACCCAGACGGCTCCACTAGGACT
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CACAGGGCACCTGCCACCTGGGCTGGCAGCTCAGCTTCCCAACACGAGGAGCACAC
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CCCAGTCACTGTGAGCTCCAGGTGCAGCCAGAGGCACCTCAAGAAGAAGAGGGGCATAA
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AAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005658 unedited
 NTGGTGACAGGGATATTTGTNAATACGTATTCACTATAGGGNNCGGCCGCGNNAATTCGG
 CACGAGGGCATCAGAAACCCACTGTGAGGAAGTGACTTCTCCTTGAGGTCACCCAGACAC
 TCCAAACAGAGCAGAGCAAAAGCGCCTAGAAGTTGAAATTTGGACCTGTCTCCAACACC
 CTGGGGATTTCCACCAGGAAGCCTTCAGTCACCATCCAGGGGATTTTATCGCCACAAAG
 GGTAATTCCTGCTCCATCCCTGCTGTGACTCAGCTGTGACGTTGAACACACAAGCCAGA
 GAGAAGAAGATAAAGTCATCAGAGCTCTACTACCAGAGAGTGAGGCCAGGCCAGGAC
 TCCACAAGGCTGGTCCCCTGCCCTGGAGCAACTTAAACAGGCCCTCTGGCCAGCCTGGAA
 CCCTGAGATGGCCTCCAGCTCAGGCAGCAGTCCTCGCCCGGCCCTGATGAGAATGAGTT
 TCCCTTTGGTGCCCTCCCACCGTCTGCCAGGACCCAAAGGAGCCAGGGCTCTCTGCTG
 TGCAGGCTGTCTCTGAGAACCCGAGGAATGGCGAGGATCAGATCTGCCCAAATGCAG
 AGGGGAAGACCTCCAGTCTATAAGCCCAGGAAGCCGTCTCGAACTCAGGAGAAGGCTCA
 CCCCAGGTGGCTGAGGCTGGAATTGGGTGCCCTTTGCAGGTGTGGCTGCTCCTTCAA
 GGAAGCCCACAGTCTGTGCAAGAGCATGAGGTCACCTCCCAGACCTCCCACCTAAACCTG
 CTGTTGGGGTTTATGAAACAGTGAAGGCCCGGCTGGCCTGTGGTCTGGAATCTGGGCC
 ATGCCCTGGAGCAGAACCTGTGCAAGTGCAGCTGCAAGCAACCGTGGTAGTCCCGCGG
 GACCTGCAAGTCGATTGCTACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005658 unedited
 GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTGGGAAAACCTCGAAAGAGATTCTAAA
 AATTTATTTCTTTGGGGTTATACATTGCTCAGTGGCTTGGAGGTCCTGATCAGTCTGCTGA
 AAGAAGTGGATGCCTCAGTTAATCAGGTGTTACGGGATTCTGAAAGCACCAAAGGTGGG
 GCCTCTAGGCAGGAAGAGGAAAGTTTATGCCCTCTTCTTCTTGAGGTGCCTCTGGCTGC
 ACCTGGGAGCTCACAGTACTGGGTTTACCTGCATGAAGTGACGTGGTGTATCTGAT
 GGAGGCACAGGATGTGGGGGCTGGGTGTCTCCTGCGTGTGGGGAAGCTGAGTGCCAG
 GCCCAGGTGGCAGGTGCCCTGTGGACCAGGTCAGTCCAGTGGGGTTACTGAAAGTGAG
 TGAGGAGCTGGGAAGACAGGAAGCTCCTGAATGTTTCCAGAACCCTGTAGCTCTAGGAC
 TCACCTGGGCCAGGAGCCTATAATGAGAGACTTCTGGGCTGGAAGGAACTTAAAAGT
 CTTCAAATCCAACCCCAATTTGAAGTCCTAGTGGAGCCGTCTGGGTTTGCTTGTTCACC
 TCCAATGACGAGCCTGGACAGACTGCATTCANACTGGCACCCCATCCCTTTCACCCAGTC
 CTGTTTTGACCCTGGAGAAAAGAGAGCAAGCCTGTGTCCAGGTCTCCCTGGCGCCTGTC
 AGAGATCCTTCTAGCCCGAGAGCTTCTCTGCTTGGGTCCTTACGGTCCAAGCCTGGNTCC
 ATTTTCTTCTCATTGGNNNGAGAGTTTACCTCACATTCCGGGNCCAGATGGCTCACTGGC
 CTNCCANTGTCNCATGGTCCGTGCAAAGGGAGCANCTCTGCCTGGCTCCTCCTGAACCTT
 TGCCTTTGTGGGCCANCCACTNCTGGCATCTATCAGATGCCAGCCGAATTCGACCCTC
 ATCTTGCTGGATCATGCAGCTTACCTTTTGTGCCTGAGTTCTGCTGCAAGGCAG

Restriction Sites:

NotI-NotI

ACCN:

NM_005658

Insert Size:

2790 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_005658.3](#), [NP_005649.1](#)

RefSeq Size: 4449 bp

RefSeq ORF: 1251 bp

Locus ID: 7185

UniProt ID: [Q13077](#)

Cytogenetics: 9q33.2

Domains: MATH

Protein Families: Druggable Genome

Protein Pathways: Pathways in cancer, Small cell lung cancer

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.