

Product datasheet for **SC117456**

TRAF4 (NM_004295) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAF4 (NM_004295) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRAF4
Synonyms:	CART1; MLN62; RNF83
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117456 sequence for NM_004295 edited (data generated by NextGen Sequencing)

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ATGCCTGGCTTCGACTACAAGTTCCTGGAGAAGCCCAAGCGACGGCTGCTGTGCCCACTG
TGCGGGAAGCCCATGCGCGAGCCTGTGCAGGTTTCCACCTGCGGCCACCGTTTCTGCGAT
ACCTGCCTGCAGGAGTTCCTCAGTGAAGGAGTCTCAAGTGCCCTGAGGACCAGCTTCTCT
CTGGACTATGCCAAGATCTACCCAGACCCGGAGCTGGAAGTACAAGTATTGGGCCTGCCT
ATCCGCTGCATCCACAGTGAAGGAGGCTGCCGCTGGAGTGGGCCACTACGTCATCTACAG
GGCCACCTGAATACCTGCAGCTTCAATGTCATTCCCTGCCCTAATCGCTGCCCATGAAG
CTGAGCCGCGTGATCTACCTGCACACTTGACAGCATGACTGCCCAAGCGGCGCCTCAAG
TGCGAGTTTTGTGGCTGTGACTTCAGTGGGGAGGCCTATGAGAGCCATGAGGGTATGTGC
CCCCAGGAGAGTGTCTACTGTGAGAATAAGTGTGGTGCCCGCATGATGCGGCGGTGCTG
GCCCAGCATGCCACCTCTGAGTGCCCAAGCGCACTCAGCCCTGCACCTACTGCACTAAG
GAGTTCGTCTTTGACACCATCCAGAGCCACCAGTACCAGTGCCCAAGGCTGCCTGTTGCC
TGCCCAACCAATGTGGTGTGGCACTGTGGCTCGGGAGGACCTGCCAGGCCATCTGAAG
GACAGCTGAACACCGCCCTGGTCTCTGCCATTCAAAGACTCCGGCTGCAAGCACAGG
TGCCCTAAGCTGGCAATGGCACGGCATGTGGAGGAGAGTGTGAAGCCACATCTGGCCATG
ATGTGTGCCCTGGTGAGCCGGCAACGGCAGGAGCTGCAGGAGCTTCGGCGAGAGCTGGAG
GAGCTATCAGTGGGCACTGATGGCGTGCTCATCTGGAAGATTGGCAGCTATGGACGGCGG
CTACAGGAGGCCAAGGCCAAGCCCAACCTTGAGTGCTTACGCCAGCCTTCTACACACAT
AAGTATGGTTACAAGCTGCAGGTGTCTGCATTCTCAATGGCAATGGCAGTGGTGAAGGC
ACACACCTCTCACTGTACATTCTGTGTGCTGCCTGGTGCCCTTTGACAATCTCCTTGAGTGG
CCCTTTGCCCGCGGTGTACCTTCTCCCTGCTGGATCAGAGCGACCCTGGGCTGGCTAAA
CCACAGCACGTCAGTACACTTCCACCCGACCCAACTGGAAGAATTTCCAGAAGCCA
GGCACGTGGCGGGGCTCCCTGGATGAGAGTTCTCTGGGCTTTGGTTATCCCAAGTTCATC
TCCACCAGGACATTGAAAGCGAACTATGTGCGGGATGATGCAGTCTTCATCCGTGCT
GCTGTTGAACTGCCCGGAAGATCCTCAGCTGA
    
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Clone variation with respect to NM_004295.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_004295 unedited
TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCGCCCGGAGCC
GGGAGCGCCGCTCCAGCGAGGCGCGGGCTGTGGGGCCGCGCGTGCCTGGCCCCGCTCGC
CCGTGCCGCGCGCTCGCCCGCCATGCCTGGCTTCGACTACAAGTTCCTGGAGAAGCCAA
GCGACGGCTGCTGTGCCCACTGTGCGGGAAGCCCATGCGCGAGCCTGTGCAGGTTTCCAC
CTGCGGCCACCGTTTCTGCGATACCTGCCTGCAGGAGTTCCTCAGTGAAGGAGTCTTCAA
GTGCCCCGAGGACCAGCTTCTCTGGACTATGCCAAGATCTACCCAGACCCGGAGCTGGA
AGTACAAGTATTGGGCTGCCTATCCGCTGCATCCACAGTGAAGGAGGCTGCCGCTGGAG
TGGGCCACTACGTACATCTACAGGGCCACCTGAATACCTGCAGCTTCAATGTCATTCCCTG
CCCTAATCGCTGCCCATGAAGCTGAGCCGCGTGATCTACCTGCACACTTGACAGCATGA
CTGCCCAAGCGGCGCCTCAAGTGCAGTTTTGTGGCTGTGACTTCAGTGGGGAGGCCTA
TGAGAGCCATGANGGTATGTGCCCCAGGAGAGTGTCTACTGTGAGAATAAGTGTGGTGC
CCGCATGATGCGGCGGTGCTGGCCAGCATGCCACCTCTGAGTGCCCAAGCGCACTCA
GCCCTGCACCTACTGCACTAAGGGAGTCGTCTTTGCACCATCCAGAGCCCCANTCCAGTG
CCCAAGCTGCCTGTGCCTGCCCAACCAATGTGTGTGGCACTGTGGCTTCGGAGGACTGCC
AGCCATCTGAAGACACTGTACACCGGCTGGGCTTTGCCATCAAAGACTCGCTGCAGACAG
TGCC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004295 unedited GATCTATTAATTATCAGGGACGTCCCCTGGCTGTGNCNNCCTCCTGGCACTAAGGGAAAT AAATAACCAGAGGGGGCAGACTAGGTAAGGGGTGAAAAATCAGATCTCAAGACAGAC TCTTTGAACTACCCTTTCTCCCTCCCAATTCCCACCCCTTATGGCTCTTGGGACATAG CACCTGAGCAGGCACCTCAGTCCGTGTAGAGTGTGACCGGCACCAAGGCATGTCTGCCCT ACCCAAGAAGGGAGACAGGCCCTGGGGTCACTTGTTCCAGCCCTTCATGACCCCAAGAC CTGTTCCCCACAGGGGCCAGGGCCTGAAGCACCAATCGGAGGCACCTGATGGTGGTGCC GGGGGAGGGAGGATGGGGTCACATAACCTAGGCAGCAAAAGCAGCTGACCGGGTCTGC CCCTTTTTCACCTTCATTTCCCGCTGCCCGCCCATGCCCTCTTTCCTTTTCCCCAC CCCAGTGCCTGAGCATAGGATCTCCGGGGCGCTTCCCACTTCTCTTTCCCGCCTTGC TTCTTTGCCTCAGCTCTCCTATCTTCTGCCCTTCCCTTTCGTTATCTCACCCCTC CCCCCTCTTTCTATTCTACCCCTCCCTTCCCGCTCCCGTACCGCTCCGTTCCACTC GTCCTTCCATCGCTTCTTTTTCTCTTTTCCATCCCTCACCCCTATCTCATTTTTG TTTTTCTTTCCACTATCTCCGCCCTCTCCTCCGTTTTACTCTTCCCTCCGCCCTTCC TTTTCTCAGTTCACCTCCCTTCCGCGTCTCCCTTTGTTCCCTCTTCTCCCTTCC CCCCATCTTCTTCTTTCCGCCGATATCTCCCTTTTCTCCGATCTTCTATCCCCCT CCTCTTCCACTTACTTCTCTTTTCTTCCGCTCTCCCTCTTCTACTTCCCTCTT TCCTCTCCCTTCTCTTCTTTCCCTTCTCCCTT
Restriction Sites:	NotI-NotI
ACCN:	NM_004295
Insert Size:	2210 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:	<ol style="list-style-type: none"> 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:	<u>NM_004295.2</u> , <u>NP_004286.2</u>
RefSeq Size:	1999 bp
RefSeq ORF:	1413 bp
Locus ID:	9618
UniProt ID:	<u>Q9BUZ4</u>
Cytogenetics:	17q11.2
Domains:	zf-TRAF, RING, MATH

Protein Families: Druggable Genome

Protein Pathways: Pathways in cancer, Small cell lung cancer

Gene Summary: This gene encodes a member of the TNF receptor associated factor (TRAF) family. TRAF proteins are associated with, and mediate signal transduction from members of the TNF receptor superfamily. The encoded protein has been shown to interact with neurotrophin receptor, p75 (NTR/NTSR1), and negatively regulate NTR induced cell death and NF-kappa B activation. This protein has been found to bind to p47phox, a cytosolic regulatory factor included in a multi-protein complex known as NAD(P)H oxidase. This protein thus, is thought to be involved in the oxidative activation of MAPK8/JNK. Alternatively spliced transcript variants have been observed but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008]