

## Product datasheet for **SC320675**

### **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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_004295.3  
 GCCCGGAGCCGGGAGCGCCGCTCCAGCGAGGCGCGGGCTGTGGGGCCGCCGCTGCCTGG  
 CCCCCTCGCCCGTGCCGGCCGCTCGCCCGCCATGCCTGGCTTCGACTACAAGTTCCTGG  
 AGAAGCCCAAGCGACGGCTGCTGTGCCACTGTGCGGGAAGCCATGCGCGAGCCTGTGC  
 AGGTTTCCACCTGCGGCCACCGTTTCTGCGATACCTGCCTGCAGGAGTTCCTCAGTGAAG  
 GAGTCTTCAAGTGCCTGAGGACCAGCTTCCTCTGGACTATGCCAAGATCTACCCAGACC  
 CGGAGCTGGAAGTACAAGTATTGGGCCTGCCTATCCGCTGCATCCACAGTGAGGAGGGCT  
 GCCGCTGGAGTGGCCACTACGTACCTACAGGGCCACCTGAATACCTGCAGTTCAATG  
 TCATTCCTGCCCTAATCGCTGCCCATGAAGCTGAGCCGCCGTGATCTACCTGCACACT  
 TGCAGCATGACTGCCCAAGCGGCGCCTCAAGTGCAGTTTTGTGGCTGTGACTTCAGTG  
 GGGAGGCCTATGAGAGCCATGAGGGTATGTGCCCCAGGAGAGTGTCTACTGTGAGAATA  
 AGTGTGGTGCCCGCATGATGCGGGCGCTGCTGGCCAGCATGCCACCTCTGAGTGCCCCA  
 AGCGCACTCAGCCCTGCACCTACTGCCTAAGGAGTTCGTCTTTGACACCATCCAGAGCC  
 ACCAGTACCAGTCCCAAGGCTGCCTGTTGCCTGCCCAACCAATGTGGTGTGGGCACTG  
 TGGCTCGGGAGGACCTGCCAGGCCATCTGAAGGACAGCTGAACACCGCCCTGGTCTCT  
 GCCATTCAAAGACTCCGCTGCAAGCACAGGTGCCCTAAGCTGGCAATGGCACGGCATG  
 TGGAGGAGAGTGTGAAGCCACATCTGGCCATGATGTGTGCCCTGGTGAGCCGGCAACGGC  
 AGGAGCTGCAGGAGCTTCGGCGAGAGCTGGAGGAGCTATCAGTGGGCAAGTATGGCGTGC  
 TCATCTGGAAGATTGGCAGCTATGGACGGCGGCTACAGGAGGCCAAGGCCAAGCCCAACC  
 TTGAGTGTCTCAGCCAGCCTTCTACACACATAAGTATGGTTACAAGCTGCAGGTGTCTG  
 CATTCTCAATGGCAATGGCAGTGGTGAGGGCACACACCTCTCACTGTACATTCGTGTGC  
 TGCTGGATCAGAGCGACCCTGGGCTGGCTAAACCACAGCAGTCACTGAGACCTTCACC  
 CCGACCCAAACTGGAAGAATTTCCAGAAGCCAGGCACGTGGCGGGCTCCCTGGATGAGA  
 GTTCTCTGGGCTTTGGTTATCCCAAGTTCATCTCCACCAAGGACATTCGAAAGCGAAACT  
 ATGTGCGGGATGATGCAGTCTTCATCCGTGCTGCTGTTGAACTGCCCCGGAAGATCCTCA  
 GCTGAGTGCAGGTGGGGTTCGAGGGGAAAGGACGATGGGGCATGACCTCAGTCAGGCACT  
 GGCTGAACTTGGAGAGGGGGCCGACCCCGTCAGCTGCTTCTGCTGCCTAGGTTCTGTT  
 ACCCCATCTCCCTCCCCAGCCACCACCCTCAGGTGCCTCCAATTGGTGTTCAGCCCT  
 GGCCCTGTGGGGAACAGGTCTTGGGGTATGAAGGGCTGGAAACAAGTGACCCAGGGC  
 CTGTCTCCCTTCTGGGTAGGGCAGACATGCCTTGGTGCCGGTCACACTTACACGGACT  
 GAGGTGCCTGCTCAGGTGCTATGTCCAAGAGCCATAAGGGGGTGGGAATTGGGGAGGGA  
 GAAAGGGTAGTTCAAAGAGTCTGTCTTGAGATCTGATTTTTTCCCTTTACCTAGCTGT  
 GCCCCCTGTGTTATTTATTTCTTAGTGCCAGGAGGGCACAGCAGGGGAGCCCTGATTT  
 TTAATAAATCCGGAATTGATTTATTAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 A

**Restriction Sites:** Please inquire

**ACCN:** NM\_004295

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_004295.3</a> , <a href="#">NP_004286.2</a>
<b>RefSeq Size:</b>	2902 bp
<b>RefSeq ORF:</b>	1413 bp
<b>Locus ID:</b>	9618
<b>UniProt ID:</b>	<a href="#">Q9BUZ4</a>
<b>Cytogenetics:</b>	17q11.2
<b>Domains:</b>	zf-TRAF, RING, MATH
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Pathways in cancer, Small cell lung cancer
<b>Gene Summary:</b>	<p>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]</p>