

Product datasheet for **SC117268**

TRAF5 (NM_004619) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | TRAF5 (NM_004619) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TRAF5 |
| Synonyms: | MGC:39780; RNF84 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

Fully Sequenced ORF:

```

>OriGene sequence for NM_004619 edited
GAATTCGGCACGAGCGCCGGCCTCAGCCAGGAGCAGCAGCCGCGCCTGCAGACCGGCCTC
GCGGAGCCCGCGCCGAGCCCCACAATGGCTTATTCAGAAGAGCATAAAGGTATGCCCT
GTGGTTTCATCCGCCAGAATCCGGCAACTCCATTTCTTGACTTTGAGCCCAGTATAG
AGTACCAGTTTGTGGAGCGGTTGGAAGAGCGCTACAAATGTGCCTTCTGCCACTCGGTGC
TTCACAACCCACCAGACAGGATGTGGCACCCTTCTGCCAGCACTGCATCCTGTCCC
TGAGAGAATTAACACAGTGCCAATCTGCCCTGTAGATAAAGAGGTCATCAAATCTCAGG
AGGTTTTTAAAGACAATTGTTGCAAAAGAGAAGTCTCAACTTATATGTATATTGCAGCA
ATGCTCCTGGATGTAATGCCAAGTTATTCTGGGCCGGTACCAGGATCACCTTCAGCAGT
GCTTATTTCAACCTGTGCAGTGTCTAATGAGAAGTGCCGGGAGCCAGTCTACGAAAAG
ACCTGAAAGAGCATTGAGTGCATCCTGTCAGTTTCGAAAGGAAAAATGCCTTTATTGCA
AAAAGGATGTGGTAGTCATCAATCTACAGAATCATGAGGAAAACCTGTGCCTGAATACC
CAGTATTTGTCCCAACAATTGTGCGAAGATTATTCTAAAACTGAGGTAGATGAACACC
TGGCTGTATGTCCTGAAGCTGAGCAAGACTGTCCTTTTAAAGCACTATGGCTGTGTGTA
CGGATAAACGGAGAACCTGCAGCAACATGAGCATTACGCCTTACGGGAGCACATGCGTT
TGGTTTTAGAAAAGAATGTCCAATTAGAAGAACAGATTTCTGACTTACACAAGAGCCTAG
AACAGAAAAGAAAGTAAAAATCCAGCAGCTAGCAGAACTATAAAGAACTTGAAAAGGAGT
TCAAGCAGTTTGCACAGTTGTTTGGCAAAAATGGAAGCTTCTCCCAAACATCCAGGTTT
TTGCCAGTCACATTGACAAGTCAGCTTGGCTAGAAGCTCAAGTGCATCAATTATTACAAA
TGGTTAACCAGCAACAAAATAAATTTGACCTGAGACCTTTGATGGAAGCAGTTGATACAG
TGAAACAGAAAATTACCTGCTAGAAAACAATGATCAAAGATTAGCCGTTTTAGAAGAGG
AACTAACAAACATGATACCCACATTAATTCATAAAGCACAGCTGAGTAAAAATGAAG
AGCGATTTAAACTGCTGGAGGGTACTTGCTATAATGAAAAGCTCATTGGAAGGTGACAG
ATTACAAGATGAAGAAGAGAGAGCGGTGGATGGGCACACAGTCCATCTTCAGCCAGT
CCTTCTACACCAGCCGCTGTGGCTACCGCTCTGTGCTAGAGCATACCTGAATGGGGATG
GGTCAGGGAGGGGTCACACCTGTCCCTATACTTTGTGGTCATGCGAGGAGAGTTTGACT
CACTGTTGCAGTGGCCATTACAGGCAGAGGGTGACCCTGATGCTTCTGGACCAGAGTGGCA
AAAAGAACATTATGGAGACCTTCAAACCTGACCCCAATAGCAGCAGCTTTAAAAGACCTG
ATGGGGAGATGAACATTGCATCTGGCTGTCCCGCTTTGTGGCTCATTCTGTTTTGGAGA
ATGCCAAGAACGCCTACATTAAGATGACACTCTGTTCTTAAAAGTGGCCGTGGACTTAA
CTGACCTGGAGGATCTCTAGTCACTGTTATGGGGTGATAAGAGGACTTCTTGGGGCCAGA
ACTGTGGAGGAGAGCACATTTGATTATCATATTGACCTGGATTTAGACTCAAAGCACATT
TGTATTTGCCTTTTTCTTAACGTTTGAAGTCAGTTTAAAACCTCTGAAGTGCTGCTTTT
TTACATTTTACTCTGTCCAGTTTGAACCTTAAAACCTCTTAGAATATTCTTATTATTTT
ATATTTTATATTTCTTGAAAGATGGTAAGTTTCTTGAAGTXXXXXXXXXXXXXXXXXXXX
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAACTCGAC
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004619 unedited
 GTTGT CAGAATTTTGGTATACGACTCACTTATAGGGCGGCCGGAATCGGCACGAGCGCC
 GGCTCAGCCAGGAGCAGCAGCCGCGCCTGCAGACCGGCTCGCGGAGCCCGCGGCCGA
 GCCCCACAATGGCTTATTCAGAAGAGCATAAAGGTATGCCTGTGGTTTCATCCGCCAGA
 ATCCGGCAACTCCATTTCTTGGACTTTGAGCCAGTATAGAGTACCAGTTTGTGGAGC
 GGTTGGAAGAGCGCTACAAATGTGCCTTCTGCCACTCGGTGCTTACAACCCACCAGA
 CAGGATGTGGCACCCTTCTGCCAGCACTGCATCCTGTCCCTGAGAGAATTAACACAG
 TGCCAATCTGCCCTGTAGATAAAGAGGTATCAAATCTCAGGAGGTTTTTAAAGACAATT
 GTTGCAAAGAGAAGTCTCAACTTATATGTATATTGCAGCAATGCTCCTGGATGTAATG
 CCAAGGTTATTCTGGCCGGTACCAGGATCACCTT CAGCAGTGTCTATTTC AACCTGTGC
 AGTGTCTAATGAGAAGTGCCGGGAGCCAGTCCTACGAAAGACCTGAAAGAGCATTTGA
 GTGCATCTGT CAGTTTCGAAAGGAAAAATGCCTTTATTGCAAAAAGGATGTGGTAGTCA
 TCAATCTACAGAATCATGAGGAAAACCTGTGCCTGAATACCCAGTATTTGTCCCAACA
 ATGTGTGCAAGATTATTCTAAAACTGAGGTAGATGAACACCTGGCTGTATGTCTGAAG
 CTGAGCAAGACTGTCCTTTTAAGCACTATGGCTGTGCTGAACGGATAAACGGAGGAACC
 TGCAGCACATGAGCATTACGCTTACGGGAGCACATGCGTTTGGTTNTAGAAAGATGTC
 CATTAGAAGACAGATTCTGACTACACAGAACTAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004619 unedited
 GTAGTGCTTTCTCTTTTATATTCCTTGTCTGGGATCACTTAATCACTATTTTCGATGAT
 GAAGGAAGCTGAACTCCTAAGCAAACCATGCCATGACATACTTTATATATATGCACAAA
 AGTTGGATAAAACACAAAACCAGCATTGACAAATTCACCTTTAAATGTTTTCCACATC
 AACTACTTAAAAGAAGTTACAGCAATATGATCTTCCACTGCTCAGGAAGACAGAGTGAAC
 TTGGATATGATGAATATTA AAAACAACATACAGAGCACCTGGGTCTGGACTTGTGGGCT
 AAAGAAATGCTTCTGAATTTGTCCGAGGTGATGTGTTGAGCAACCGTGCCACAGTTCAC
 CAGCAGTGACACTCTAGTTCTTCAGTATATTCCTGTTGTGAACCTATTTCTTTGAATTTA
 ATCATCTGGGATGATTGCTGCAGTGTGAGTCTTTAGCATTTTGAAAATCCACAGAAGAG
 ATTAAGAAGGTTCTCTCCCAGAAGACTCATATAAAGCATGCTTCTATAGGGTTAAC
 TGTT CAGAAATTGAAGGTGCATGGTCATCACCAGGTAAGCAGCTCTACAGGGGCCCATG
 GCCCACTCATCCTTGGCTGCCAGGGGAGCCAGCGTGCATATGAGCAGTAGGGAAGTG
 GCATAAACACGCAGAAGGGCTCAGGACAACCTGGCATTGTTGTTGTTAAACTCAGGC
 TTATCAAGAGTCATAAGGACTCATCTCAGTTTGTATATACACCTTCAGACCCATACAGAT
 AGATGCCTAAGAATATGATCATTCTGTTTTGACAGAGTACTCAAGATTCCTGACAGGA
 AACCATACCAAGTTATATTAATGCCATTTGCATAGCAGGCTACCAATTC AATAGTTGTC
 ACAGGCTTGACTCGGCGGTATGCCTGTCATTTACACCTTTGGGAGGCCGAGGCGGCAA
 ATACTCGAGGCCCGGATTGAGAACAGTTGGCAACATGCAAATTC

Restriction Sites:

NotI-NotI

ACCN:

NM_004619

Insert Size:

4230 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_004619.2](#), [NP_004610.1](#)

RefSeq Size: 4132 bp

RefSeq ORF: 1674 bp

Locus ID: 7188

UniProt ID: [O00463](#)

Cytogenetics: 1q32.3

Domains: zf-TRAF, RING, MATH

Protein Families: Druggable Genome

Protein Pathways: Pathways in cancer, Small cell lung cancer

Gene Summary: The scaffold protein encoded by this gene is a member of the tumor necrosis factor receptor-associated factor (TRAF) protein family and contains a meprin and TRAF homology (MATH) domain, a RING-type zinc finger, and two TRAF-type zinc fingers. TRAF proteins are associated with, and mediate signal transduction from members of the TNF receptor superfamily. This protein is one of the components of a multiple protein complex which binds to tumor necrosis factor (TNF) receptor cytoplasmic domains and mediates TNF-induced activation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) differs in the 5' UTR and uses an alternate in-frame splice junction compared to variant 4. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Variants 1, 2, and 3 all encode the same isoform (b).