

Product datasheet for **SC309132**

TRAF5 (NM_145759) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAF5 (NM_145759) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRAF5
Synonyms:	MGC:39780; RNF84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC309132 representing NM_145759.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCTTATTAGAAGAGCATAAAGGTATGCCCTGTGGTTTCATCCGCCAGAATCCGGCAACTCCATT
TCCTTGGACTTTGAGCCAGTATAGAGTACCAGTTTGTGGAGCGGTTGGAAGAGCGCTACAAATGTGCC
TTCTGCCACTCGGTGCTTACAACCCCCACCAGACAGGATGTGGCACCCTTCTGCCAGCACTGCATC
CTGTCCCTGAGAGAATTAACACAGTGCCAATCTGCCCTGTAGATAAAGAGGTATCAAATCTCAGGAG
GTTTTTAAAGACAATTGTTGCAAAAGAGAAGTCTCAACTTATATGTATATTGCAGCAATGCTCCTGGA
TGTAATGCCAAGGTTATTCTGGCCGGTACCAGGATCACCTTCAGCAGTGCTTATTTCAACCTGTGCAG
TGTTCTAATGAGAAGTCCGGGGAGCCAGTCTACGAAAGACCTGAAAGAGCATTGAGTGCATCCTGT
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GAAAACCTGTGCTCTGAATACCCAGTATTTTGTCCCAACAATTGTGCGAAGATTATTCTAAAACTGAG
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AGCTTTAAAGACCTGATGGGGAGATGAACATTGCATCTGGCTGTCCCGCTTTGTGGCTCATTCTGTT
TTGGAGAATGCCAAGAACGCCTACATTAAGATGACACTCTGTTCTTGAAGTGGCCGTGGACTTAAT
GACCTGGAGGATCTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_145759

Insert Size: 1674 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).

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).

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_145759.2](#)

RefSeq Size: 3988 bp

RefSeq ORF: 1674 bp

Locus ID: 7188

UniProt ID: [O00463](#)

Cytogenetics: 1q32.3

Protein Families: Druggable Genome

Protein Pathways: Pathways in cancer, Small cell lung cancer

MW: 64.4 kDa

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 (2) 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).