

Product datasheet for SC111743

TANK (NM_004180) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TANK (NM_004180) Human Untagged Clone
Tag:	Tag Free
Symbol:	TANK
Synonyms:	I-TRAF; ITRAF; TRAF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111743 sequence for NM_004180 edited (data generated by NextGen Sequencing)

```

ATGGATAAAAACATTGGCGAGCAACTCAATAAAGCGTATGAAGCCTTCCGGCAGGCATGC
ATGGATAGAGATTCTGCAGTAAAAGAATTACAGCAAAAGACTGAGAACTATGAGCAGAGA
ATACGTGAACAACAGGAACAGCTGTCACTTCAACAGACTATTATTGACAAGCTAAAATCT
CAGTTACTTCTTGTGAATTCCAAGATAACAATTATGGCTGTGTTCCCTCTGCTTGA
GACAGTGAACAAGAAAGAAATAATTTGACTCTTGATCAGCCACAAGATAAAGTGATTTCA
GGAATAGCAAGAGAAAACTACCAAAGGTAAGAAGACAAGAGGTTTCTTCTCCTAGAAA
GAAACTTCAGCAAGGAGTCTTGGCAGTCCTTTGCTCCATGAAAGGGGTAATATAGAGAAG
ACTTTCTGGGATCTGAAAGAAGAATTTCAAAAATATGCATGCTAGCAAAAGCACAGAAA
GACCACCTAAGCAAACCTAATATACCAGACACTGCAACTGAAACACAGTGCTCTGTGCCT
ATACAGTGTACGGATAAACAGATAAACAAGAAGCGCTGTTAAGCCTCAGGCTAAAGAT
GATATAAATAGAGGTGCACCATCCATCACATCTGTACACCAAGAGGACTGTGCAGAGAT
GAGGAAGACACCTCTTTTGAATCACTTTCTAAATTCATGTCAAGTTTCCACCTATGGAC
AATGACTCAACTTTCTTACATAGCACTCCAGAGAGACCCGGCATCCTTAGTCCTGCCACG
TCTGAGGCAGTGTCCAAGAGAAATTTAATATGGAGTTCAGAGACAACCCAGGGAACCTT
GTAAAACAGAAGAACTTTATTTGAAATTCAGGAATTGACCCCATAGCTTCAGCTATA
CAAAACCTTAAAACAACAGCAAAAACAAGCCCTCAAATCTCGTAAACACTTGTATCAGG
ACAACTCTGGATAGAGCTGCGTGTGGCCACCTGGAGACCATAATGCATTATATGTAAT
AGCTTCCCACTTCTGGACCCATCTGATGCACCTTTCCCTCACTCGATTCCCGGGAAAA
GCAATCCGAGGACCACAGCAGCCATTTGGAAGCCCTTTCCTAATCAAGACAGTGACTCG
GTGGTACTAAGTGGCACAGACTCAGAACTGCATATACCTCGAGTATGTGAATTCTGTCAA
GCAGTTTTCCACCATCCATTACATCCAGGGGGGATTTCTTCGGCATCTTAATTCACAC
TTCAATGGAGAGACTTAA

```

Clone variation with respect to NM_004180.2



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004180 unedited
 CACCATTTGTATCCGACTCATATAGGCGGCCGCAATTCGCACGAGGGTACCTGTCATT
 TACTCCATCCTTTATAGTGATGCTACAGGACGAAGAGGAATGGATAAAAAATTGGCGAG
 CAACTCAATAAAGCGTATGAAGCCTTCCGGCAGGCATGCATGGATAGAGATTCTGCAGTA
 AAAGAATTACAGCAAAAGACTGAGAATATGAGCAGAGAATACGTGAACAACAGGAACAG
 CTGTCACCTTCAACAGACTATTATTGACAAGCTAAAACTCAGTTACTTCTTGTGAATTCC
 ACTCAAGATAACAATTATGGCTGTGTTCCCTCTGCTTGAAGACAGTGAAACAAGAAAGAAT
 AATTTGACTCTTGATCAGCCACAAGATAAAGTGATTTTCAGGAATAGCAAGAGAAAAACTA
 CCAAAGGTAAGAAGACAAGAGGTTTCTTCTCCTAGAAAAGAACTTCAGCAAGGAGTCTT
 GGCAGTCCCTTGTCCATGAAAGGGTAAATATAGAGAAGACTTTCTGGGATCTGAAAGAA
 GAATTTTCATAAAATATGCATGCTAGCAAAAGCACAGAAAGACCACTTAAGCAAATTAAT
 ATACCAGACACTGNCAGTAAACACAGTCTGTGCCCCTATACAGTGTACGGATTAAC
 AGATAAACAAGAAGCGCTGTTTAAAGCCTCANGGCTAAGATGATATAAATAGAAGTGCACC
 ATCCATCATCTGTACACCCAGAGGACTGTGCAGAGATGAAGAAACACCTCTTTTGAA
 TCACTTTCTAAATACATGTCAAGTTTCCACTATGGACAATGACTCAACTTCTTACATAGC
 ACTCCAGAGAGACCCGGCATCCTTATTCTGACAGTCTGGAGCAGGGTCCAGGAAAATT
 TATTATGGAGTTCAAAAACAACCCAGGGAACCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004180 unedited
 CGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTACCTCTTAATATTTAATTAAT
 TTCATCATGTAGCTATACACATAGTAAAAATTAAGCCATGTATATTATTTAAAAATCTA
 AAGTGTTTAAATAATTCTACCAGTTGTTTTATCACTGGACAAGAAATGTATTAGGTTTGA
 TATTTACAAAGATGTTTATGTTGCTGCTATTTTCTATTATAGGTTTATTCAAAGAGAAT
 ATCACCTATAGCATAAATAATTAATTTTTCAATAAAAACAAACCTAAAAAACCCTAGAA
 ACATTTGACATCACCAAATTCACAGCTCTCACTAGAAATCCAAGCAATAAACTTAGATA
 TTTGAAATAAACATAAATATGATTATATAACTCTAAGTCACATACATAATTTTGAATTA
 TAGTAATAGCACTGTAACATGAATACAAAGGATTACAGTTTTATACAGAATTTTTTTTG
 TTTTTCTCTTTTAGGCTATTTTCTCCTGAAAGAACAGAATGATCTTTTAAAAATAAG
 AGTTATATAGTAAATCCAGAAAAAATTCAAATAGCTGTGAACTAGATTTTCTATAAAA
 TGATCTTGAATTTAGTTTACAATCAAGTATTTATAGTATTA AAAACCCAAAATCATCACA
 TAGAACCTTGATATGTCTGTTTTCAAATGTGTCTTAAGTCTTTTATTGAAGTGTGAAATA
 AGATGCCCGAAGAAATCCNCCTGGNATGTATGGATGGTGGGAAAACCTGCTTGACAGAAT
 CACATACTCGAGTATATGCAGTTCTGAGTCTGTGCCACTTANTACACCGAGTTACTGTCT
 TGATTANGAAGGGGCTTCAATGGNCTGCTGTGGTCTCGNATGCTTTTCCCGGNATCG
 AGTGAGGGAAAAGTGCATCNATGGTCCAGAANTGGAAGCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_004180

Insert Size:

2050 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_004180.2](#), [NP_004171.2](#)

RefSeq Size: 2089 bp

RefSeq ORF: 1278 bp

Locus ID: 10010

UniProt ID: [Q92844](#)

Cytogenetics: 2q24.2

Protein Families: Druggable Genome

Protein Pathways: RIG-I-like receptor signaling pathway

Gene Summary: The TRAF (tumor necrosis factor receptor-associated factor) family of proteins associate with and transduce signals from members of the tumor necrosis factor receptor superfamily. The protein encoded by this gene is found in the cytoplasm and can bind to TRAF1, TRAF2, or TRAF3, thereby inhibiting TRAF function by sequestering the TRAFs in a latent state in the cytoplasm. For example, the protein encoded by this gene can block TRAF2 binding to LMP1, the Epstein-Barr virus transforming protein, and inhibit LMP1-mediated NF-kappa-B activation. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
Transcript Variant: This variant (1) is the longer transcript and encodes the longer isoform (a).