

## Product datasheet for **SC110107**

### TANK (NM\_133484) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TANK (NM_133484) Human Untagged Clone
Tag:	Tag Free
Symbol:	TANK
Synonyms:	I-TRAF; ITRAF; TRAF2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_133484, the custom clone sequence may differ by one or more nucleotides

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ATGGATAAAAACATTGGCGAGCAACTCAATAAAGCGTATGAAGCCTTCCGGCAGGCATGCATGGATAGAG
ATTCTGCAGTAAAAGAATTACAGCAAAGACTGAGAACTATGAGCAGAGAATACGTGAACAACAGGAACA
GCTGTCACTTCAACAGACTATTATTGACAAGCTAAAATCTCAGTTACTTCTTGTGAATCCACTCAAGAT
AACAAATTATGGCTGTGTTCCCTCTGCTTGAAGACAGTGAACAAGAAAGAATAATTTGACTCTTGATCAGC
CACAAGATAAAGTGATTTAGGAATAGCAAGAGAAAACTACCAAGGTAGACATTGCTTCTGCAGAAAG
CAGCATTTAA
```



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_133484 unedited TCCCATTTTGTAAATACGACTCACTATTAGGGCGGCCGCGATTCCGGCACCAGGNACAGTTT AAGCAGCATTGTTAGAGCCTGTGGGAAAACACTTTACAACGTGTAAGTGTCTTCATCTT TACAGAGGAATAGTCTACAAAGGAAGACTTGTAACCTGGAGAAGAGACCTGTCATTTACT CCATCCTTTATAGTGATGCTACAGGACGAAGAGGAATGGATAAAAAACATTGGCGAGCAAC TCAATAAAGCGTATGAAGCCTTCCGGCAGGCATGCATGGATAGAGATTCTGCAGTAAAAG AATTACAGCAAAAGACTGAGAAGCTATGAGCAGAGAATACGTGAACAACAGGAACAGCTGT CACTTCAACAGACTATTATTGACAAGCTAAAATCTCAGTTACTTCTTGTGAATCCACTC AAGATAACAATTATGGCTGTGTTCTCTGCTTGAAGACAGTGAAACAAGAAAGAATAATT TGACTCTTGATCAGCCACAAGATAAAGTGATTTTCAGGAATAGCAAGAGAAAACTACCAA AGGTAAGAAGACAAGAGGTTTCTTCTNCTAGAAAAGAACTTCAGAAGGAGTCTTGCCAGT CCTTTGCTCCATGAAAGGGTAATATAGAGAAGACTTTCTGGGATCTGAAAGAAGATTTT ATAAAATATGCATGCTAGCANAAGCACAGAAAGACCACTTNAAGCAAACTTTATATACCAG AACTGCAACTGAAACACAGTGTCTGTGCCTATACAGTGTACGGATNAAACAGATAAAC AAGAAAGCGCTGTTAAGCCTCAGCTAAAGATGATATAATAGAGGTGCACATTCACACATC TGTACACCAGAAGACTGTGCNAGATAAGGAGAACCTCCTTTGAATACTTTCTAAATCATG TCAGTTTTCCACTATGGACATGACTCACTTTTTACTANCACTCAGAAGACCGCACCTTATT CTGCAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_133484
<b>Insert Size:</b>	2500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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_133484.1</a> , <a href="#">NP_597841.1</a>
<b>RefSeq Size:</b>	698 bp
<b>RefSeq ORF:</b>	360 bp
<b>Locus ID:</b>	10010
<b>UniProt ID:</b>	<a href="#">Q92844</a>
<b>Cytogenetics:</b>	2q24.2
<b>Protein Families:</b>	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 (2) lacks multiple exons from the 3' end and contains an alternate 3' segment compared to variant 1. The resulting isoform (b) has a shorter and distinct C-terminus, as compared to isoform (a).