

## Product datasheet for **RC232698**

### **TANK (NM\_001199135) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TANK (NM_001199135) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TANK
Synonyms:	I-TRAF; ITRAF; TRAF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC232698 representing NM\_001199135  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATAAAAACATTGGCGAGCAACTCAATAAAGCGTATGAAGCCTTCCGGCAGGCATGCATGGATAGAG  
 ATTCTGCAGTAAAAGAATTACAGCAAAAGACTGAGAACTATGAGCAGAGAATACGTGAACAACAGGAACA  
 GCTGTCACCTCAACAGACTATTATTGACAAGCTAAAATCTCAGTTACTTCTTGTGAATCCACTCAAGAT  
 AACAAATTATGGCTGTGTTCTCTGCTTGAAGACAGTGAACAAGAAAGAATAATTTGACTCTTGATCAGC  
 CACAAGATAAAGTGATTTAGGAATAGCAAGAGAAAACTACCAAAGGTAAGAAGACAAGAGTTTCTTC  
 TCCTAGAAAAGAACTTCAGCAAGGAGTCTTGGCAGTCTTTGCTCCATGAAAGGGTAATATAGAGAAG  
 ACTTTCTGGGATCTGAAAGAAGAATTTCAAAAATATGCATGCTAGCAAAAGCACAGAAAGACCCTTAA  
 GCAAACCTAATATACCAGACTGCAACTGAAACACAGTCTGTGCCTATACAGTGTACGGATAAAAC  
 AGATAAACAAGAAGCGCTGTTTAAAGCCTCAGGCTAAAGATGATATAAATAGAGGTGCACCATCCATCACA  
 TCTGTACACCAAGAGGACTGTGCAGAGATGAGGAAGACACCTCTTTGAATCACTTTCTAAATCAATG  
 TCAAGTTTCCACCTATGGACAATGACTCAACTTCTTACATAGCACTCCAGAGAGACCCGGCATCCTTAG  
 TCCTGCCACGTCTGAGGCAGTGTGCAAGAGAAATTTAATATGGAGTTCCAGAGACAACCCAGGGAACCTT  
 GTTAAACAGAAAGAACTTTATTTGAAATTCAGGGAATTGACCCCATAGCTTCAGCTATACAAAACCTTA  
 AAACAAGTACAAAACAAAGCCCTCAAATCTCGTAAACACTTGTATCAGGACAACCTCGGATAGAGCTGC  
 GTGTTTGGCACCTGGAGACCATAATGCATTATATGTAATAGCTTCCACTTCTGGACCCATCTGATGCA  
 CCTTTTCCCTCACTCGATTCCCCGGGAAAAGCAATCCGAGGACCACAGCAGCCCATTTGGAAGCCCTTTC  
 CTAATCAAGACAGTACTCGGTGGTACTAAGTGGCACAGACTCAGAAGTGCATATACCTCGAGTATGTGA  
 ATTCTGTCAAGCAGTTTTCCACCATCCATTACATCCAGGGGGATTTCTTCGGCATCTTAATTCACAC  
 TTCAATGGAGAGACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC232698 representing NM\_001199135  
 Red=Cloning site Green=Tags(s)

MDKNIGEQLNKAYEAFRQACMDRDSAVKELQQKTENYEQRIREQEQLSLQQTIIDKLKSQLLLVNSTQD  
 NNYGCVPLLEDSETRKNNLTLDPQDKVISGIAREKLPKVRREQEVSSPRKETSARSLSPLLHERGNIEK  
 TFWDLKEEFHKICMLAKAQKDHLSKLNIPDTATETQCSVPIQCTDKTDKQEALFKPQAKDDINRGAPSIT  
 SVTPRGLCRDEEDTSFESLSKFNKFPMDNDSTFLHSTPERPGILSPATSEAVCQEKFNMEFRDNPNGF  
 VKTEETLFEIQIDPIASAIQNLKTTDKTKPSNLVNTCIRTLLDRAACLPPGDHNAALYVNSFPLLDPSDA  
 PFPSLDSPGKAIRGPQQPIWKFPFNQSDSDSVLSTGDSSELHPRVCFEQAVFPPSITSRGDFLRHLNSH  
 FNGET

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6269\\_d05.zip](https://cdn.origene.com/chromatograms/mk6269_d05.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001199135

**ORF Size:** 1275 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001199135.3](#)
**RefSeq Size:** 2060 bp

**RefSeq ORF:** 1278 bp

**Locus ID:** 10010

**UniProt ID:** [Q92844](#)
**Cytogenetics:** 2q24.2

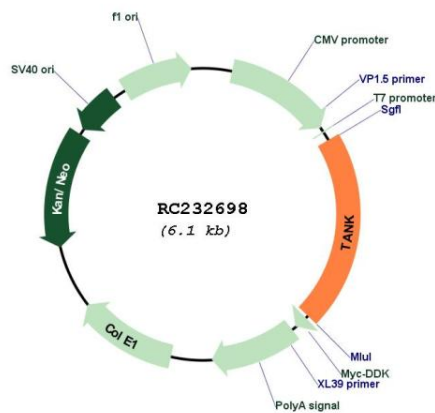
**Protein Families:** Druggable Genome

**Protein Pathways:** RIG-I-like receptor signaling pathway

**MW:** 47.8 kDa

**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]

**Product images:**



Circular map for RC232698