

## Product datasheet for **RG215997**

### TANK (NM\_133484) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TANK (NM\_133484) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TANK  
**Synonyms:** I-TRAF; ITRAF; TRAF2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG215997 representing NM\_133484  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATAAAAACATTGGCGAGCAACTCAATAAAGCGTATGAAGCCTTCGGCAGGCATGCATGGATAGAG  
ATTCTGCAGTAAAAGAATTACAGCAAAGACTGAGAACTATGAGCAGAGAATACGTGAACAACAGGAACA  
GCTGTCACTTCAACAGACTATTATTGACAAGCTAAAATCTCAGTTACTTCTTGTGAATCCACTCAAGAT  
AACAAATTATGGCTGTGTTCCCTCTGCTTGAAGACAGTGAACAAGAAAGAATAATTTGACTCTTGATCAGC  
CACAAGATAAAGTGATTCAGGAATAGCAAGAGAAAACTACCAAGGTAGACATTGCTTCTGCAGAAAG  
CAGCATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG215997 representing NM\_133484  
Red=Cloning site Green=Tags(s)

MDKNIGEQLNKAYEAFRQACMDRDSAVKELQQKTENYEQRIREQEQLSLQQTIIIDKLKSQLLLVNSTQD  
NNYGCVPILLEDSETRKNNLTLDPQDKVISGIAREKLPKVDIASAESSI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

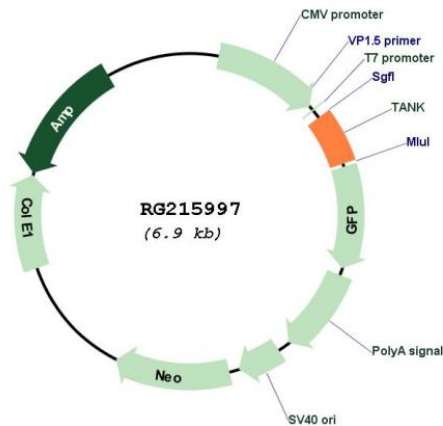


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM\_133484

ORF Size: 357 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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
<b>Protein Pathways:</b>	RIG-I-like receptor signaling pathway
<b>Gene Summary:</b>	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]