

Product datasheet for **RG232698**

TANK (NM_001199135) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TANK (NM_001199135) 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:	>RG232698 representing NM_001199135 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAAAAACATTGGCGAGCAACTCAATAAAGCGTATGAAGCCTTCCGGCAGGCATGCATGGATAGAG
ATTCTGCAGTAAAAGAATTACAGCAAAGACTGAGAACTATGAGCAGAGAATACGTGAACAACAGGAACA
GCTGTCACCTTCAACAGACTATTATTGACAAGCTAAAATCTCAGTACTTCTTGTAATCCACTCAAGAT
AACAAATTATGGCTGTGTTCTCTGCTTGAAGACAGTGAACAAGAAGAATAATTTGACTCTTGATCAGC
CACAAGATAAAGTGATTTAGGAATAGCAAGAGAAAACTACCAAGGTAGAAGACAAGAGTTTCTTC
TCCTAGAAAAGAACTTCAGCAAGGAGTCTTGGCAGTCCTTTGCTCCATGAAAGGGTAATATAGAGAAG
ACTTTCTGGGATCTGAAAGAAGATTTCAAAAATATGCATGCTAGCAAAAGCACAGAAAGACCCTTAA
GCAAACTTAATATACCAGACTGCAACTGAAACACAGTCTCTGTGCCTATACAGTGTACGGATAAAAC
AGATAAACAAGAAGCGTGTAAAGCCTCAGGCTAAAGATGATATAAATAGAGGTGCACCATCCATCACA
TCTGTCACACCAAGAGGACTGTGCAGAGATGAGGAAGACACCTCTTTGAATCACTTTCTAAATTCATG
TCAAGTTTCCACCTATGGACAATGACTCAACTTCTTACATAGCACTCCAGAGAGACCCGGCATCCTTAG
TCCTGCCACGCTGAGGCAGTGTGCAAGAGAAATTTAATATGGAGTTTCCAGAGACAACCCAGGGAACCTT
GTTAAAACAGAAGAACTTTATTTGAAATTCAGGGAATTGACCCCATAGCTTCAGCTATACAAAACCTTA
AAACAAGTGAACAAAACAAGCCCTCAAATCTCGTAAACACTTGTATCAGGACAACCTCTGGATAGAGCTGC
GTGTTTGGCCACCTGGAGACCATAATGCATTATATGTAATAGCTTCCACTTCTGGACCCATCTGATGCA
CCTTTTCCCTCACTCGATTTCCCGGAAAAGCAATCCGAGGACCACAGCAGCCCATTTGGAAGCCCTTTC
CTAATCAAGACAGTACTCGGTGGTACTAAGTGGCACAGACTCAGAACTGCATATACCTCGAGTATGTGA
ATTCTGTCAAGCAGTTTTCCACCATCCATTACATCCAGGGGGATTTCTTCGGCATCTTAATTCACAC
TTCAATGGAGAGACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232698 representing NM_001199135
 Red=Cloning site Green=Tags(s)

MDKNIGEQLNKAYEAFRQACMDRDSAVKELQQKTENYEQRIREQQEQLSLQQTIIIDKLKSQLLLVNSTQD
 NNYGCVLLEDSETRKNNLTLDQPQDKVISGIAREKLPKVRREQEVSSPRKETSARSLSPLHERGNIEK
 TFWDLKEEFHKICMLAKAQKDHLSKLNIPDTATETQCSVPIQCTDKTDKQEALFKPQAKDDINRGAPSIT
 SVTPRGLCRDEEDTSFESLSKFNVKFPPMDNDSTFLHSTPERPGILSPATSEAVCQEKFNMEFRDNPNGF
 VKTEETLFEIQIDPIASAIQNLKTTDKTKPSNLVNTCIRTTLDRAACLPPGDHNALYVNSFPLDPSDA
 PFPPLDSPGKAIRGPQQPIWKPPNQSDSVDVLSGTDSELHPIRVCFEQAVFPPSITSRGDFLRHLNSH
 FNGET

TRTRPLE - GFP Tag - V

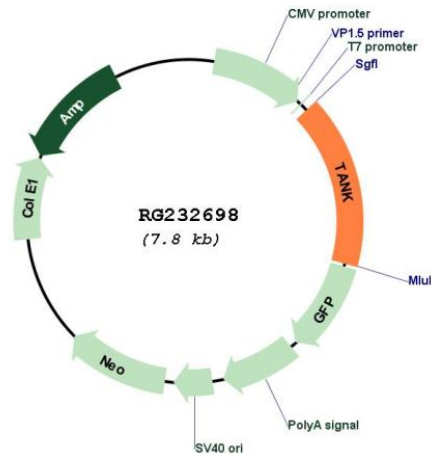
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
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]