

Product datasheet for **MG206422**

Traf1 (NM_009421) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf1 (NM_009421) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Traf1
Synonyms:	4732496E14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206422 representing NM_009421 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCAGCTCAGCCCTGATGAAAACGAGTTTCAATTTGGTTGCCCCCTGCTCCCTGCCAGGACC
CATCGGAGCCCAGAGTTCTCTGCTGCACAGCCTGTCTCTCTGAGAACCTGAGAGATGATGAGGATCGGAT
CTGTCTAAATGCAGAGCAGACAACCTCCATCCTGTGAGCCCAGGAAGCCCTCTGACTCAGGAGAAGGTT
CACTCTGATGTAGCTGAGGCTGAAATCATGTGCCCTTTGCAGGTGTTGGCTGTTCTTCAAGGGGAGCC
CACAATCCATGCAGGAGCATGAGGCTACCTCCCAGTCTCCACCTGTACCTGCTGCTGGCGGTCTTAAA
GGAGTGGAAATCCTCACCAGGCTCCAACCTAGGGTCTGCACCCATGGCACTGGAGCGGAACCTGTCAGAG
CTGCAGCTTCAGGCAGCTGTGGAAGCGACAGGGGACCTGGAGGTAGACTGCTACCGGGCACCTTGCTGTG
AGAGCCAGGAAGAAGTGGCCCTGCAGCACTTGGTGAAGGAGAAGCTGCTGGCTCAGCTGGAGGAGAAGCT
GCGTGTGTTTGCAAACATTGTTGCTGTCCTCAACAAGGAAGTGGAGGCTTCCACCTGGCACTGGCCGCC
TCCATCCACCAGAGCCAGTTGGACCGAGAGTACATCCTGGGCTTGGAGCAGAGGGTGGTGGAAATTACAGC
AAACCTGGCTCAAAAAGACCAGGTCCTGGCAAGCTTGAGCACAGTCTGCGACTCATGGAGGAGGCATC
CTTTGATGGTACTTCTCTCCAGCTTTCTACACTGCCAAGTATGGTTACAAGTTTGCCTGGCCTTGTACC
TGAACGGGATGGCTCAGGCAAGAAGACCACCTGTCCCTCTTTCATCGTGATCATGAGAGGAGAATACGA
TGCTCTCTGCCCTGGCCTTTCAGGAACAAGGTACCTTTATGCTACTTGACCAGAAACAACCGAGAGCAT
GCTATTGATGCCTTCCGGCCTGACCTGAGCTCAGCCTCCTTCCAGCGGCCACAGAGTGAGACCAACGTGG
CCAGCGGCTGCCCGCTCTTCTCCCCCTCAGCCAGCTGCAGTCACCCAAGCACGCCTACGTCAAAGATGG
CACAATGTTCTCAAATGCATTGTGGACTAGTGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206422 representing NM_009421
Red=Cloning site Green=Tags(s)

MASSAPDENEFQFGCPPAPCQDPSEPRVLCCTACLSENLRDDEDRI⁺CPKCRADNLHPVSPGSPLTQEKV
HSDVAEAEIMCPFAGVGCSPKSPQSMQEHEATSQSSHL⁺YLLLAVLKWKSSPGSNLGSAPMALERNLSE
LQLQAAVEATGDLEVDCYRAPCCESQEELALQHLVKEKLLAQL⁺EELRVFANIVAVLNKEVEASHLALAA
SIHQSQLDREYILGLEQRVVELQQTLAQKDQVLGKLEHSLR⁺LMEEASFDGTFLWKITNVTKRCHE⁺SVCGR
TVSLFSPA⁺FY⁺TAKY⁺GK⁺LCLRLYLNGDGS⁺GK⁺THLSL⁺FI⁺VMRGEYDALLPWPFRNKVTFMLLDQNNREH
AIDAFRPDLSSASFQRPQSETNVASGCPLFFPLSQLQSPKHAYVKDGT⁺MFLK⁺ICIVDTSA

TRTRPLE - GFP Tag - V

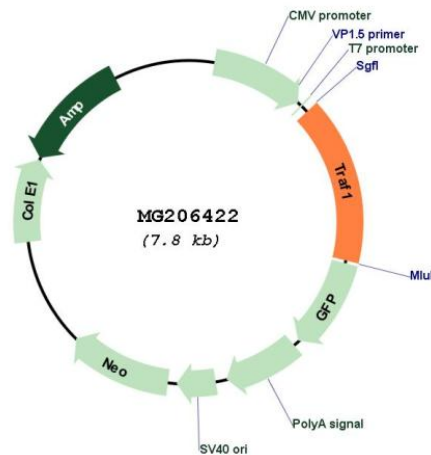
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_009421

ORF Size:	1227 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_009421.3 , NP_033447.2
RefSeq Size:	2325 bp
RefSeq ORF:	1230 bp
Locus ID:	22029
UniProt ID:	P39428
Cytogenetics:	2 B
Gene Summary:	Adapter molecule that regulates the activation of NF-kappa-B and JNK. Plays a role in the regulation of cell survival and apoptosis. The heterotrimer formed by TRAF1 and TRAF2 is part of a E3 ubiquitin-protein ligase complex that promotes ubiquitination of target proteins, such as MAP3K14. The TRAF1/TRAF2 complex recruits the antiapoptotic E3 protein-ubiquitin ligases BIRC2 and BIRC3 to TNFRSF1B/TNFR2 (By similarity).[UniProtKB/Swiss-Prot Function]