

Product datasheet for **MG208836**

Traf5 (BC012702) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf5 (BC012702) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Traf5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208836 representing BC012702
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTCATTGAGGAGCAAGCGGCTGTCCCCTGCGCCTTCATCCGCCAGAAGCTGGCAACTCAATTT
 CCTTGGACTTTGAGCCGACACCGAGTACCAGTTTGTGGAGCAGCTGGAAGAACGCTACAAATGTGCCTT
 CTGCCACTCCGTGCTTCAACCCCCACAGACCGGCTGCGGGCACCGCTTCTGCCAGCAGTGCATCCGG
 TCTCTGAGAGAATTGAACTCGGTGCCGATCTGCCCGGTAGACAAGGAGGTGCATCAAGCCTCAGGAGGTGT
 TCAAAGACAAGTCTGCAAAAGAGAAGTTCTCAATTTACACGTCTACTGCAAAAACGCCCCCGGTGCAA
 TGCCAGGATTATTCTGGGACGATTCCAGGACCACCTTCAGCACTGTTCTTCCAAGCCGTGCCCTGCCCT
 AACGAGAGCTGCCGGGAAGCCATGCTCCGGAAGACGTGAAAGAGCACCTGAGCGCATACTGCCGGTTCC
 GAGAGGAGAAGTGCCTTTACTGCAAAAGGGACATAGTGGTGACCAACCTGCAGGATCATGAGGAAAACCT
 GTGTCTCGGTACCCAGTGTCTTGTCCCAACAGGTGTGTGCAGACTATTCCAAGAGCTAGGGTGAATGAA
 CACCTTACTGTATGTCTGAGGCTGAGCAAGACTGTCCCTTTAAGCACTATGGCTGCACTGTCAAGGGTA
 AGCGGGGGAACCTGCTGGAGCATGAGCGGGCAGCCCTGCAGGACCACATGCTTCTGGTTTTAGAGAAGAA
 CTACCAACTAGAACAGCGGATCTCTGATTTATATCAGAGTCTCGAACAGAAGGAAAGCAAGATCCAGCAG
 CTGGCAGAAAACCGTGAAGAAGTTCGAAAAGGAGCTTAAGCAGTTCACACAGATGTTTGGCAGAAATGGAA
 CTTTCTCTCAAATGTCCAGGCTCTCACCAGTACACGGACAAGTCAAGTGGCTGGAAGCGCAGGTGCG
 GCAGCTGCTACAAATAGTTAACCAGCAGCAAGTGCAGTTGATCTGAGGTCTTTGGTGGATGCGGTTGAC
 AGCGTGAACAGAGGATCACCCAGCTGGAAGCCAGTGACCAGAGATTAGTTCTTTAGAGGGGAGACCA
 GCAAGCAGCAGCACACATTAATCCCAAAGCACAGCTGAATAAGAACGAAGAGCGGTTAAGCAGCT
 GGAGGGCCCTGCTACAGTGGCAAGCTCATCTGGAAGGTGACAGATTACAGGGTGAAGAAGAGGGAGGCC
 GTGGAGGGGCACACAGTGTCCGTCTTACGCCAGCCTTTCTACACCAGCCGCTGCGGCTACCGGCTGTGTG
 CCAGGGGCTACCTGAACGGGGACGGGTGCGGGAAGGGAACGCACCTGTCCCTGTACTTTGTGGTGTGCG
 CGGTGAGTTTACTCGTGTGAGTGGCCGTTACGGCAGAGGGTACCCTGATGCTTTTGGACCAGAGC
 GGCAAGAAGAACCATATTGTGGAGACCTTCAAAGCTGACCCCAACAGCAGCAGCTTCAAAGGCCAGATG
 GCGAGATGAACATTGCCTCTGGCTGTCCCGCTTTGTGTGCACTCTACTCTGGAGAAGCTCAAGAACAC
 CTACATTAAGAGACACACTGTTCTTGAAGTGGCCGTGGATTAAGTACTTGGAGGATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

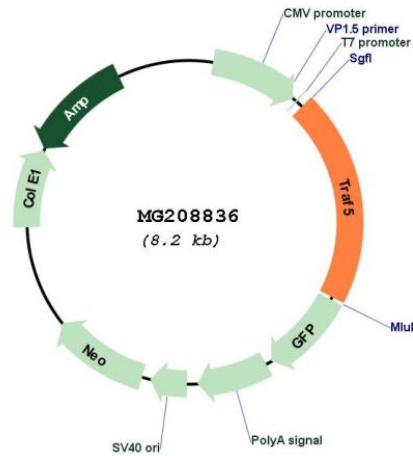
>MG208836 representing BC012702
 Red=Cloning site Green=Tags(s)

MAHSEEQAAVPCAFIRQNSGNSISLDFEPDTEYQFVEQLEERYKCAFCHSVLHNPQTGCGHRFCQQCIR
 SLRELNSVPICPVDKEVIKQEVFKDNCCKREVLNLHVYCKNAPGCNARIILGRFQDHLQHCSFQAVPCP
 NESCREAMLRKDVKEHLSAYCRFREEKLYCKRDIVVTNLQDHEENSCPAYPVSCPNCVQTIIPRARVNE
 HLTVCPEAEQDCPFKHYGCTVKGKRNLLHEHERAALQDHMLLVLEKNYQLEQRISDLYQSLEQKESKIQQ
 LAETVKKFEKELKQFTQMFGRNGTFLSNVQALTSHTDKSAWLEAQRQLLQIVNQPSRLDLRSLVDAVD
 SVKQRITQLEASDQRLVLEGETSKHDAHINIHKALNKNEERFKQLEGACYSGLIWKVTDYRVKREKREA
 VEGHTVSVFSQPFYTSRCGYRLCARAYLNGDGSKGTHLSLYFVVMRGEFDSLLQWPFQRVTLMLLDQS
 GKKNHIVETFKADPNSSSFKRPDGMNIIASGCPRFVSHSTLENSKNTYIKDDTLFLKVAVDLTDLEDL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: BC012702

ORF Size: 1676 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: [BC012702](#), [AAH12702](#)

RefSeq Size: 2216 bp

RefSeq ORF: 1676 bp

Locus ID: 22033

Cytogenetics: 1 97.11 cM

Gene Summary: Adapter protein and signal transducer that links members of the tumor necrosis factor receptor family to different signaling pathways by association with the receptor cytoplasmic domain and kinases. Mediates activation of NF-kappa-B and probably JNK. Seems to be involved in apoptosis. Plays a role in mediating activation of NF-kappa-B by EIF2AK2/PKR. [UniProtKB/Swiss-Prot Function]