

Product datasheet for **RG200345**

TRAF4 (NM_004295) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAF4 (NM_004295) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRAF4
Synonyms:	CART1; MLN62; RNF83
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG200345 representing NM_004295
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTGGCTTCGACTACAAGTTCCTGGAGAAGCCCAAGCGACGGCTGCTGTGCCACTGTGCGGAAGC
 CCATGCGCGAGCCTGTGCAGTTTCCACCTGCGGCCACCGTTTCTGCGATACCTGCCTGCAGGAGTTCCT
 CAGTGAAGGAGTCTTCAAGTGCCCTGAGGACCAGCTTCTCTGGACTATGCCAAGATCTACCCAGACCCG
 GAGCTGGAAGTACAAGTATTGGGCTGCCTATCCGCTGCATCCACAGTGAGGAGGGCTGCCGCTGGAGTG
 GGCCACTACGTACTACAGGGCCACCTGAATACCTGCAGCTTCAATGTCATTCCCTGCCCTAATCGCTG
 CCCCATGAAGCTGAGCCGCCGTGATCTACCTGCACACTGCAGCATGACTGCCCAAGCGGGCCTCAAG
 TGCGAGTTTGTGGCTGTGACTTCAGTGGGAGGCTATGAGAGCCATGAGGGTATGTGCCCCAGGAGA
 GTGTCTACTGTGAGAATAAGTGTGGTCCCGCATGATGCGCGGGTCTGGCCAGCATGCCACCTCTGA
 TGCCCCAAGCGCACTCAGCCCTGCACCTACTGCACTAAGGAGTTCGTCTTTGACACCATCCAGAGCCAC
 CAGTACCAGTGCCCAAGGCTGCCTGTTGCCTGCCCAACCAATGTGGTGTGGGCACTGTGGCTCGGGAGG
 ACCTGCCAGGCCATCTGAAGGACAGCTGTAACACCGCCCTGGTGTCTGCCCATCAAAGACTCCGGCTG
 CAAGCACAGGTGCCCTAAGCTGGCAATGGCACGGCATGTGGAGGAGAGTGTGAAGCCACATCTGGCCATG
 ATGTGTGCCCTGGTGAAGCGCAACGGCAGGAGCTGCAGGAGCTTCGGCGAGAGCTGGAGGAGCTATCAG
 TGGGCACTGATGGCGTCTCATCTGGAAGATTGGCAGCTATGGACGGCGGCTACAGGAGGCCAAGGCCAA
 GCCCAACCTTGAGTGCTCAGCCAGCCTTCTACACACATAAGTATGGTTACAAGCTGCAGGTGTCTGCA
 TTCTCAATGGCAATGGCAGTGGTGAAGGACACACCTCTCACTGTACATTGCTGTGCTGCCTGGTGCCT
 TTGACAATCTCCTTGAAGTGGCCCTTTGCCCGCCGTGCACCTTCTCCCTGCTGGATCAGAGCGACCTGG
 GCTGGCTAAACCACAGCACGCTCACTGAGACCTTCCACCCGACCCAACTGGAAGAATTTCCAGAAGCCAA
 GGCACGTGGCGGGCTCCCTGGATGAGAGTTCTCTGGGCTTTGGTTATCCCAAGTTCATCTCCACCCAGG
 ACATTCGAAAGCGAAACTATGTGCGGGATGATGCAGTCTTCATCCGTGCTGCTGTGAAGTCCCGGAA
 GATCCTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200345 representing NM_004295
 Red=Cloning site Green=Tags(s)

MPGFDYKFLKPKRRLLCPLCGKPMREPQVSTCGHRFCDTCLQEFLSEGVFKCPEDQLPLDYAKIYPDP
 ELEVQVLGLPIRICHSEEGCRWSGPLRHLQHLNLCFNVIPCPNRCMPKLSRRDLPAHLQHDCPKRRLK
 CEF CGCDFSGEAYESHEGMCPQESVYCENKCGARMRRLLAQHATSECPKRTQPCTYCTKEFVFDTIQSH
 QYQCPRLPVACPNQCGVGTVAREDLPGHLKDSNTALVLCPFKDSGCKHRCPKLAMARHVEESVKPHLAM
 MCALVSRQRQELQELRRELEELSVGSDGVLWIKIGSYGRRLQEAkakPNLECFSPAFYTHKYGYKLQVSA
 FLNNGSGEGTHLSLYIRVLPGAFDNLLEWPFARRVTFSLLDQSDPGLAKPQHVTETTFHPDPNWNKQK
 GTWRGSLDESSLGFGYPKFIHQDIRKRNYYRDDAVFIRA AVELPRKILS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004295

ORF Size: 1410 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_004295.4](#)

RefSeq Size: 2902 bp

RefSeq ORF: 1413 bp

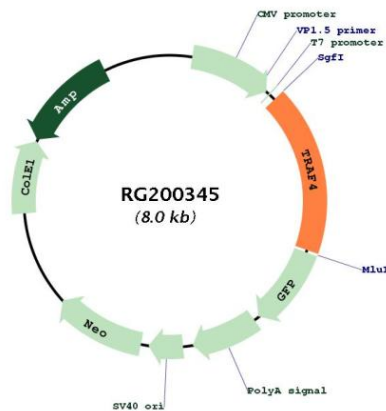
Locus ID: 9618

UniProt ID: [Q9BUZ4](#)

Cytogenetics: 17q11.2
Domains: zf-TRAF, RING, MATH
Protein Families: Druggable Genome
Protein Pathways: Pathways in cancer, Small cell lung cancer
Gene Summary:

This gene encodes a member of the TNF receptor associated factor (TRAF) family. TRAF proteins are associated with, and mediate signal transduction from members of the TNF receptor superfamily. The encoded protein has been shown to interact with neurotrophin receptor, p75 (NTR/NTSR1), and negatively regulate NTR induced cell death and NF-kappa B activation. This protein has been found to bind to p47phox, a cytosolic regulatory factor included in a multi-protein complex known as NAD(P)H oxidase. This protein thus, is thought to be involved in the oxidative activation of MAPK8/JNK. Alternatively spliced transcript variants have been observed but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200345