

## Product datasheet for **RG219243**

### **TRAF5 (NM\_004619) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TRAF5 (NM_004619) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRAF5
Synonyms:	MGC:39780; RNF84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG219243 representing NM\_004619  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTTATT**CAGAAGAGCATAAAGGTATGCCCTGTGGTTTCATCCGCCAGAATTCGGCAACTCCATT**  
**CCTTGGACTTTGAGCCAGTATAGAGTACCAGTTTGTGGAGCGTTGGAAGAGCGCTACAAATGTGCCTT**  
**CTGCCACTCGGTCTTACAACCCACCAGACAGGATGTGGCACCGCTTCTGCCAGCACTGCATCCTG**  
**TCCCTGAGAGAATTAAACACAGTGCCAATCTGCCCTGTAGATAAAGAGGTCATCAATCTCAGGAGGTTT**  
**TAAAGACAATTGTTGAAAAGAGAAGTCTCACTTATATGTATATTGCAGCAATGCTCCTGGATGTAA**  
**TGCCAAGTTATTCTGGGCCGTACCAGGATCACCTTCAGCAGTGCTTATTTCAACCTGTGCAGTGTCT**  
**AATGAGAAAGTCCGGGAGCCAGTCTACGAAAGACCTGAAAGAGCATTGAGTGCATCCTGTCAAGTTT**  
**GAAAGGAAAAATGCCTTTATTGCAAAAAGGATGTGGTAGTCATCAATCTACAGAATCATGAGGAAA**  
**ACTGTGTCCTGAATACCCAGTATTTTGTCCCAACAATTGTGCGAAGATTATTCTAAAACTGAGGTAG**  
**TGAAACACCTGGCTGTATGTCTGAAGCTGAGCAAGACTGTCCTTTTAAGCACTATGGCTGTGCTGTA**  
**ACCGGAGAACCTGCAGCAACATGAGCATTAGCCTTACGGGAGCACATGCGCTTTGGTTTTAGAAA**  
**AGAAAGTGTCCAATTAGAAGAACAGATTTCTGACTTACACAAGAGCCTAGAACAGAAAAGTAAAA**  
**CCAGCAGCTAGCAGAAAATAAAGAACTTGAAAAGGAGTTCAAGCAGTTTGCACAGTTGTTTGGCA**  
**AAAAATGGAAAGCTTCTCCCAACATCCAGGTTTTTGGCAGTCACATTGACAAGTCAGCTTGGCT**  
**AGAAAGCTCAAGTGCAACAATTATTACAAATGGTTAACCAGCAACAAAAATAATTTGACCTGAG**  
**ACCTTTGATGGAAGCAGTTGATACAGTGAACAGAAAAATACCCCTAGAAAACAATGATCAAAG**  
**ATTAGCCGTTTTAGAAAGGAAAACTACAAACATGATACCCACATTAATTTCAAAAGCACAGCT**  
**GAGTAAAAATGAAGAGCGGATTTAACTGCTGGAGGGTACTTGCTATAATGAAAAGCTCATT**  
**TGGAAAGGTGACAGATTACAAGATGAAGAAGAGAGAGGCGGTGGATGGGCACACAGTGTCCAT**  
**CTTACGCCAGTCCTTCTACACCAGCCGCTGTGGCTACCGCTCTGTGCTAGAGCATACCTGAAT**  
**GGGGATGGGTCAGGGAGGGGTCACACCTGTCCCTATACTTTGTGGTCATGCGAGGAGAGTTT**  
**GACTCACTGTTGCAGTGGCATTACGGCAGAGGGTGACCCTGATGCTTCTGGACCAGAGTGG**  
**CAAAAAGAACATTATGGAGACCTTCAAACCTGACCCCAATAGCAGCAGCTTTAAAGACCTGAT**  
**GGGGAGATGAACATTGCATCTGGCTGTCCCGCTTTGTGGCTCATTCTGTTTTGGAGAATGCCA**  
**AGAAGCCTCATTAAGATGACTCTGTTCTTGAAGTGGCCGTGGACTTAACTGACCTGGAGGATCTC**

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG219243 representing NM\_004619  
 Red=Cloning site Green=Tags(s)

MAYSEEHKGMPCGFIRQNSGNSISLDFEPSIEYQFVERLEERYKCAFCHSVLHNPHTGCGHRFCQHCIL  
 SLRELNTVIPVDKEVIKSQEVFKDNCKREVLNLYVYCSNAPGCNAKVIILGRYQDHLQQLFQPVQCS  
 NEKCREPVLRKDLKEHLSASCQFRKEKCLYCKDVVVINLQNHEENLCPEYVPVFCPNNCAKIILKTEVDE  
 HLAVCPEAEQDCPFKHYGCAVTDKRRNLQHEHSALREHMRLVLEKNVQLEEQISDLHKSLEQKESKIQQ  
 LAETIKKLEKEFKQFAQLFGKNGSFLPNIQVFASHIDKSAAWLEAQVHQLLQMVNQQNKFDLRPLMEAVD  
 TVKQKITLLENNDQRLAVLEETNKHDTHINIHKALSKNEERFKLLEGTGYNGLIWKVTDYKMKKREA  
 VDGHTVSIQSFSYTSRCGYRLCARAYLNGDGSGRGSHLSLYFVVMRGEFDSLLQWPFQRVTLMLLDQS  
 GKKNIMETFKPDPNSSSFKRPDGMNIIASGCPRFVAHSVLENKNAIKDDTLFLKVAVDLTDLEDL

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_004619

**ORF Size:** 1671 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\\_004619.3](#)

**RefSeq Size:** 4132 bp

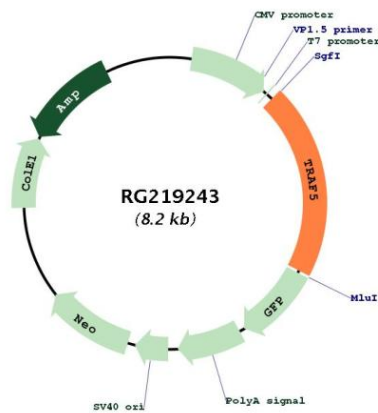
**RefSeq ORF:** 1674 bp

**Locus ID:** 7188

**UniProt ID:** [O00463](#)

**Cytogenetics:** 1q32.3  
**Domains:** zf-TRAF, RING, MATH  
**Protein Families:** Druggable Genome  
**Protein Pathways:** Pathways in cancer, Small cell lung cancer  
**Gene Summary:** The scaffold protein encoded by this gene is a member of the tumor necrosis factor receptor-associated factor (TRAF) protein family and contains a meprin and TRAF homology (MATH) domain, a RING-type zinc finger, and two TRAF-type zinc fingers. TRAF proteins are associated with, and mediate signal transduction from members of the TNF receptor superfamily. This protein is one of the components of a multiple protein complex which binds to tumor necrosis factor (TNF) receptor cytoplasmic domains and mediates TNF-induced activation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]

**Product images:**



Circular map for RG219243