

Product datasheet for **RG219306**

TRAF5 (NM_145759) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAF5 (NM_145759) 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:

>RG219306 representing NM_145759
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTATT**CAGAAGAGCATAAAGGTATGCCCTGTGGTTTCATCCGCCAGAATTCGGCAACTCCATTT**
CCTTGGACTTTGAGCCCAGTATAGAGTACCAGTTTGTGGAGCGGTTGGAAGAGCGCTACAAATGTGCCTT
CTGCCACTCGGTGCTTACAACCCACCAGACAGGATGTGGCACCCTTCTGCCAGCACTGCATCCTG
TCCCTGAGAGAATTAAACACAGTGCCAATCTGCCCTGTAGATAAAGAGGTCATCAATCTCAGGAGGTTT
TAAAGACAATTGTTGCAAAAGAGAAGTCTCACTTATATGTATATTGCAGCAATGCTCCTGGATGTAA
TGCCAAGGTTATTCTGGGCCGTACCAGGATCACCTTCAGCAGTGCTTATTTCAACCTGTGCAGTGTCT
AATGAGAAAGTCCCGGAGCCAGTCTACGGAAGACCTGAAAGAGCATTGAGTGCATCCTGTCAAGTTT
GAAAGGAAAAATGCCTTTATTGCAAAAAGGATGTGGTAGTCATCAATCTACAGAATCATGAGGAAA
ACTTGTGTCCTGAATACCCAGTATTTTGTCCCAACAATTGTGCGAAGATTATTCTAAAACTGAGGTAG
TGAAACACCTGGCTGTATGTCTGAAGCTGAGCAAGACTGTCCTTTTAAGCACTATGGCTGTGCTGTAA
ACGGAGGAACCTGCAGCAACATGAGCATTAGCCTTACGGGAGCACATGCGCTTTGGTTTTAGAAAAGAA
TGTCCAATTAGAAGAACAGATTTCTGACTTACACAAGAGCCTAGAACAGAAAAGTAAAAATCCAGCAG
CTAGCAGAAAATAAAGAAACTTGAAAAGGAGTTCAAGCAGTTTGCACAGTTGTTTGGCAAAAATGGAA
GCTTCTCCCAACATCCAGGTTTTTGGCAGTCACATTGACAAGTCAGCTTGGCTAGAAGCTCAAGTGCA
TCAATTATTACAAATGGTTAACCAGCAACAAAAATAATTTGACCTGAGACCTTTGATGGAAGCAGTTGAT
ACAGTGAACAGAAAAATACCTGCTAGAAAACAATGATCAAAGATTAGCCGTTTTAGAAGAGGAAA
ACTAACAAACATGATACCCACATTAATATTCATAAAGCACAGCTGAGTAAAAATGAAGAGCGGATTTAA
ACTGCTGGAGGGTACTTGCTATAATGGAAGCTCATTGGAAAGGTGACAGATTACAAGATGAAGAAGAGAG
GGCGGTGGATGGGCACACAGTGTCCATCTTACGCCAGTCTTCTACACCAGCCGCTGTGGCTACCGGCT
CTGTGCTAGAGCATACCTGAATGGGGATGGGTCAGGGAGGGGGTCACACCTGTCCCTATACTTTGTGG
TCATGCGAGGAGAGTTTACTACTGTTGCAAGTGGCCATTACGGCAGAGGGTACCCTGATGCTTCTGGAC
CAGAGTGGCAAAAAGAACATTATGGAGACCTTCAAACCTGACCCCAATAGCAGCAGCTTTAAAAGAC
CTGATGGGGAGATGAACATTGCATCTGGCTGTCCCGCTTTGTGGCTCATTCTGTTTTGGAGAATGCCA
AGAACGCCTCATTAAGATGACTCTGTTCTTGAAAGTGGCCGTGGACTTAACTGACCTGGAGGATCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG219306 representing NM_145759
 Red=Cloning site Green=Tags(s)

MAYSEEHKGMPCGFIRQNSGNSISLDFEPSIEYQFVERLEERYKCAFCHSVLHNPHTGCGHRFCQHCIL
 SLRELNTVPICPVDKEVIKSQEVFKDNCKREVLNLYVYCSNAPGCNAKVIILGRYQDHLQCLFQPVQCS
 NEKCREPVLRKDLKEHLSASCQFRKEKCLYCKDVVVINLQNHEENLCPEYPVFCPNNCAKIILKTEVDE
 HLAVCPEAEQDCPFKHYGCAVTDKRRNLQHEHSALREHMRLVLEKNVQLEEQISDLHKSLEQKESKIQQ
 LAETIKKLEKEFKQFAQLFGKNGSFLPNIQVVFASHIDKSAWLEAQVHQLLQMVNQQNKFDLRPLMEAVD
 TVKQKITLLENNDQRLAVLEETNKHDTHINIHKALSKNEERFKLLEGTGTCYNGKLIWKVTDYKMKKREA
 VDGHTVSIQSFYTSRCGYRLCARAYLNGDGSGRGSHLSLYFVVMRGEFDSLLQWPFQRVTLMLLDQS
 GKKNIMETFKPDPNSSSFKRPDGMNIASGCPRFVAHSVLENKNAIKDDTLFLKVAVDLTDLEDL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_145759
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:	<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_145759.2 , NP_665702.1
RefSeq Size:	3988 bp
RefSeq ORF:	1674 bp
Locus ID:	7188
UniProt ID:	O00463
Cytogenetics:	1q32.3
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]