

## Product datasheet for **MG216503**

### Traf3ip1 (NM\_028718) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Traf3ip1
<b>Synonyms:</b>	3930402D05Rik; AU041749; MIP-T3
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG216503 representing NM\_028718  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAACGCCGAGTGGTGC GGCGGACGCAGGAGGCTCTGGGCAAGGTGATCCGGAGGCCGCCGCTCACCG  
 AGAAGCTGCTCAACAAGCCACCGTTCCGCTACCTGCACGACATCATCACCGAGGTGATTAGGATAACTGG  
 CTTTCATGAAGGGCCTCTACACAGATGCTGAGTGAAGTCAGAAAATGTCAAGGATAAAGATGCAAAAATT  
 AGCTTCTTACAGAAGCCATAGATGTGGTCATGATGGTGTGTCAGGTGAACCTTGGCAGCAAAACCAGCTA  
 GAATTGTGGCCGGCAGAACCTGAAAGAACCAATGAGCTGCTTCAATTGATTGGCAAGTGTGCTCAG  
 CAAGCTCTCCAGTGTAGGGCAGTGAAGAGAGTCTTAGCTGGGGACAAGGGGGACTCGAGAGGGCGGGCC  
 CAGCGGACGTGCAAAAGCACAAGAGCCCAACAACAGAGTGGGAAGGAGGAAGAGTCCAGAATACACAAG  
 AGGATAAACGAAGCTCTGAGGCCAAGGAGAGAAGCGCAAGTGCAGAGCACAACAGAAGGAGGAAGTAA  
 GGAAGACAGCAAGCCTCGGGAGAAGGAGAGGGACAAGGAGAAGGCCAAGGAGGCCGACAGAGACCGGCAC  
 AGAGACCCCGACAGGGACAGAAACAGAGACGGAGAGCGAGAGAAAAGCCCGAGCAGCGGCCAAGGACAGGG  
 ACAGAAAACAACAGAGACCGGGACAGAGAGGACAGAAAGGGACAGGGAGAGGGACAGGAGGAGCGAGGGCGG  
 GAAAGAAAAAGAGAGGGTGAAGGACCGAGACCGGAGACCGTGTACAAGGGAAGAGACCGGGAACCGCGGAAA  
 TCGAAGAATGGAGAACATACCGGGATCCTGACAGGGAGAAAAGCAGAGATGCAGACAAGCCAGAGAAAA  
 AGTCCTCAAGCTCAGGGGAGATATCTAAAAGCTGTGATGGATCTTTCAAAGATGTCAAAGCAGAGAT  
 GGAGGTGACATTTCTGTGGGAGCATCTAGGTCCTCGACGTTAAAACCATCAAAACGCGCATCGAAGCAT  
 TCACTGGAAGGTGACTCCCCAGCGATGCAGAAGTAGAAGCTGGACCTGCTGGCCAAGATAAGCCGGAGG  
 TGATGGAGAATGCGGAAGTCCCAGTGAGCTTCCCTCCAGCCTCAGAAGAATACCTCGGCTGGGAGTGC  
 ACGGCCAGCACCTCCCAGGGTCAAACGACAAGAGAGCACAGAGACTGGTGGTAGACAGGTCCGGAAAGT  
 GGTA AAAACCGTCTCCAGTGTGATCATCGACTCCCGAAGTCTGACAATGAGGATGACAGCAGTTTGTGG  
 TGGAGGCTGCCCTCAGCTGTGAGAAATCGCAGACATTGACATGGTGCCGTGAGGGGAGCTGGAGGATGA  
 GGAGAAGCAGGTGGCTTGTGAAGAAGATCTTGGAGACGAAGAAGGATTATGAGAAATGCAGCAGTCT  
 CCAAGCCTGGTGAGAAGGAGAGATCACTCATCTTTGAGTCAGCATGGAAGAAGGAGAAAGACATCGTTT  
 CCAAGGAGATAGAGAAGCTCCGCGTGTCCATCCAGACCCTGTGTAAGAGTGCAGCTTCCCTGGGAAAGAT  
 CATGGACTACATCCAGGAGGACGTGGACGCCATGCAGAATGAGCTGCAGCTGTGGCACAGTGAAGACAGG  
 CAGCATGCCGAAGCCCTGAGCCAGGAGCAGAGTATCACAGACAGTCCGGTGGAGCCCTGAAGGCCGAGC  
 TTTCTGAGCTGGAGCAACAGATCAGAGACCAGCAGGACAAGATCTGTGCTGTGAAGGCCAACATCCTGAA  
 GAATGAGGAGAAGATCCAGAAAATGGTGCACAGTATCAACCTGTCGTCACGAAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG216503 representing NM\_028718  
 Red=Cloning site Green=Tags(s)

MNAAVVRRITQEALGKVI RRPPLTEKLLNKPPFRYLHDIITEVIRITGFMKGLYTD AEMKSENVDKDAKI  
 SFLQKAIIDVVMVSGEPLAAKPARIVAGHEPERTNELQLIGKCCLSKLSSDEAVKRVLAGDKGDSRGRA  
 QRTSKAQEPNNKSGKEEESRIHKEDKRSSEAKERSASAEHKQKEELKEDSKPREKERDKEKAKEADRDRH  
 RDPDRDRNRDGEREKARARAKDRDRNDRDRE AERDRERDRRSEGGKEKERVKDRDRDRDKGRDRERRK  
 SKNGEHTRDPREKSRDADKPEKKSSSSGEISKKLSDGSFKDVKAEMEADISVGASRSSTLKP SKRRSKH  
 SLEGDSPSDAEVEAGPAGQDKPEVMENAEVPSLPSLLRRIPRPGSARPPRVRQESTETLVVD RSGS  
 GKTVSSVIIIDSQNSDNEDDEQFVVEAAPQLSEIADIDMVPSGELEDEEKHGGLVKKILETKKDYEKLQQS  
 LKPGEKERSLIFESA WKKEKDIVSKEIEKLRVSIQTLCKSALPLGKIMDYIQEDVDAMQNELQLWHSENR  
 QHAEALSQEQSITDSAVEPLKAELESEQQIRDQDKICAVKANILKNEEKIQKMHVHSINLSSRR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_028718

**ORF Size:** 1875 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.

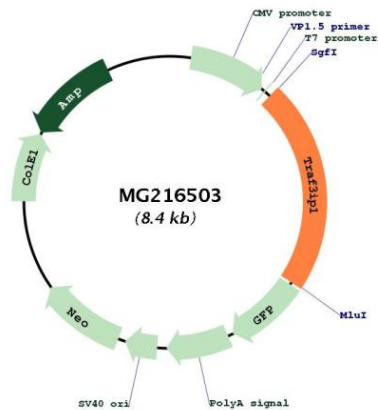
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_028718.2](#), [NP\\_082994.1](#)

RefSeq Size: 3521 bp  
 RefSeq ORF: 1878 bp  
 Locus ID: 74019  
 UniProt ID: [Q149C2](#)  
 Cytogenetics: 1 D

**Gene Summary:** Plays an inhibitory role on IL13 signaling by binding to IL13RA1. Involved in suppression of IL13-induced STAT6 phosphorylation, transcriptional activity and DNA-binding. Recruits TRAF3 and DISC1 to the microtubules (By similarity). Involved in epithelial morphogenesis and in the regulation of microtubule cytoskeleton organization. Is a negative regulator of microtubule stability, acting through the control of MAP4 levels (PubMed:26487268). Involved in ciliogenesis (PubMed:21945076).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG216503