

## Product datasheet for **MR208800**

### Traf3ip2 (NM\_134000) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Traf3ip2 (NM_134000) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Traf3ip2
Synonyms:	Act1; AI429613; CIKS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208800 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACCGAAGCATTCCCGTGGAGTTGATGAATCAGAACCATTCCCGAGTCAATTGCTGAAACCGATCC  
 CAGAATACTCTCCAGAAGAGGAATTGGAACCACCTGCCCCAATACAAGGAACATGGCACCCAGCAGCTT  
 GTCTGTGCTCCAGTGCCTCCCTGAAACTGGCAAACCACCGCCTGTGTCACAACAGGTACCTGCCTG  
 CGAGCTAAAGTCTCGAGGAAGGTGAAGCCAGTTTCTTTAGAAGGCACCCTGAACTTGGCAAAGATATTT  
 CCTCATGTTCTCTGGAGCCAGCAGCCTGAGTCTGAGCTCGGAGCCCTCCCTCCAGAGCATCGTTTAC  
 ACTTACGAAAAACGCAATAGATGGCTGGGATCTCAGCTTTCAGCAGTCTCTCTGACACTGGCCATGAA  
 TCAGACAAATCAGACCCAAGTTTACCTAATGCTTTGGCAGACTCCTTCAGTGGTGGCCAAGAGATGATGC  
 CCCGGCCCCGGCCCGGCTGGGCCACAGGCACAGGGCAGCCCAAGATGTGCCACGATAGACACTGG  
 CTATGATTCAGCCCAAGATGTCCTGGGCATCAGGCAGTTGGAGAGGCCATTGCCCTCACCTCTCG  
 TGTACCTGCAGGACCTCCCTGGCCTCTGAGGTCCAGGGAATTGCCACCTCAGTTTGAACCTTGAGAGGT  
 ATCCAATGAACGCCAGCTGCTGCCGCCCATCCTTCCCAACAGGCCCATGGAAGTGTGAGTACTACTG  
 CCCCAGAGGGCCCTACCACCACAGGTGCCACAGGCCATGGCTACCCTCCAGCAGCAGCCTACCAGCAA  
 GTACTCCAGCCTGCTCTGCCTGGCAGGTCTTCTGGGGCAAGGGCAAGAGGCCACGCCTGTGCAGA  
 AGGTATCCTGAATGACTCCAGCCCCAAGACCAAGAAGAGAGACTGCACAGAGAGACTTCTTTTCCC  
 GAGGCTCCCGAGGACCAGCTCTACGCCACCATCTAATGGAGTGAAGCCCTGAGGAGTCTTGGAC  
 CTTCTGCAGAGCTGAGACCACATGGTCCCCAGGCTCCATCCCTAGCTGCCGTGCCTAGACCCCTAGCA  
 ACCCTTAGCCCCGAGGAAGTCTAAGAACCAGCAATTTGCCAGAAGAATTACGGAAAGTCTTTACTACTTA  
 TTCTATGGACACAGCCATGGAGGTGGTGAATTTGTGAACCTTCTGTTGGTGAACGGCTTCCAAACTGCG  
 ATTGACATATTTGAGGATAGAATCCGGGTATTGATATCATTAAATGGATGGAGCGCTATCTTCGAGATA  
 AGACAGTGATGATAATCGTAGCAATCAGCCCCAAATACAAACAGGATGTGGAAGGCGCTGAGTCGCAGCT  
 GGACGAGGACGAGCATGGCTTACATACTAAGTACATTCATCGGATGATGCAGATTGAGTTCATAAGTCAG  
 GGAAGCATGAACTTCAGATTATCCCTGTGCTTCCCAAATGCCAAGAAGGAGCATGTGCCGACCTGGC  
 TTCAGAACTCATGTTTACAGCTGGCCCAAGAATAAGAAAAACATCCTGCTGCGGCTGCTCAGGGAGGA  
 AGAGTATGTGGCTCTCCCGAGGCCCTGCCCCACCTTCAGGTGGTACCCTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208800 protein sequence  
 Red=Cloning site Green=Tags(s)

MNRSIPVEVDESEPFPSQLLKPIPEYSPEELEEPPAPNTRNMAPSSLVLCQPPKLKLANHQVPSVQVTCL  
 RAKVLEEGEASFRRRHPGLGKDISSCSSGASEPESELGALPPEHRFTLTKRNRWLGSQLSAASPDGHE  
 SDKSDPSLPNALADSFSGGQEMMPRPRRPGPHRHRAAPDVPTIDTGYDSQPQDVLGIRQLERPLPLTSS  
 CYLQDLPGLRSRELPPQFELERYPMNAQLLPPHPSPQAPWNCQYYCPGGPYHHQVPHGHGYPAAAAYQQ  
 VLQPALPGQVLPGARARGPRPVQKVIINDSSPQDQEEPAQRDFSPRLPRDQLYRPPSNGVEAPEESLD  
 LPAELRPHGPQAPSLAAVPRPPSNPLARGTLRTSNLPEELRKVFIYMSDTAMEVVKFVNFLLVNGFQTA  
 IDIFEDRIRGIDIIKWMERYLRDKTVMIIVAISPKYKQDVEGAESQLDEDEHGLHTKYIHRMMQIEFISQ  
 GSMNFRFIPVLPNAKKEHVPTWLQNTHVYSWPKNKNILLRLLREEEYVAPPRGPLPTLQVVPL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_134000

**ORF Size:** 1668 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

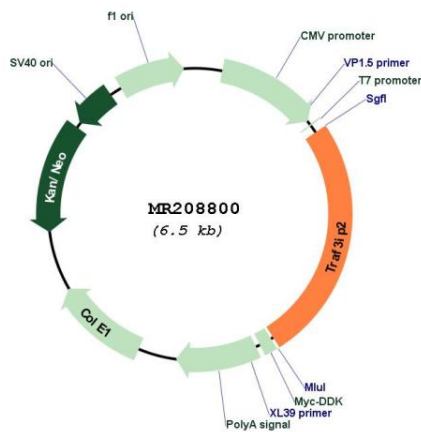
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_134000.3, NP\\_598761.2](#)  
**RefSeq Size:** 2867 bp  
**RefSeq ORF:** 1668 bp  
**Locus ID:** 103213  
**UniProt ID:** [Q8N7N6](#)  
**Cytogenetics:** 10 B1  
**MW:** 62.4 kDa

**Gene Summary:** E3 ubiquitin ligase that catalyzes 'Lys63'-linked polyubiquitination of target protein, enhancing protein-protein interaction and cell signaling (By similarity). Transfers ubiquitin from E2 ubiquitin-conjugating enzyme UBE2V1-UBE2N to substrate protein (By similarity). Essential adapter molecule in IL17A-mediated signaling (PubMed:19825828). Upon IL17A stimulation, interacts with IL17RA and IL17RC receptor chains through SEFIR domains and catalyzes 'Lys63'-linked polyubiquitination of TRAF6, leading to TRAF6-mediated activation of NF-kappa-B and MAPkinase pathways (PubMed:19825828).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR208800