

Product datasheet for **MG208800**

Traf3ip2 (NM_134000) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traf3ip2 (NM_134000) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Traf3ip2
Synonyms:	Act1; AI429613; CIKS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208800 representing NM_134000
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCGAAGCATTCCCGTGGAGTTGATGAATCAGAACCATTCCCGAGTCAATTGCTGAAACCGATCC
 CAGAATACTCTCCAGAAGAGGAATTGGAACCACCTGCCCCAATACAAGGAACATGGCACCCAGCAGCTT
 GTCTGTGCTCCAGTGCCTCCCTGAAACTGGCAAACCACCGCCTGTGTCACAACAGGTACCTGCCTG
 CGAGCTAAAGTCTCGAGGAAGGTGAAGCCAGTTTCTTTAGAAGGCACCCTGAACCTGGCAAAGATATTT
 CCTCATGTTCTCTGGAGCCAGCAGCCTGAGTCTGAGCTCGGAGCCCTCCCTCCAGAGCATCGTTTAC
 ACTTACGAAAAACGCAATAGATGGCTGGGATCTCAGCTTTCAGCAGCTTCTCCTGACACTGGCCATGAA
 TCAGACAAATCAGACCCAAGTTTACCTAATGCTTTGGCAGACTCCTTCAGTGGTGGCCAAGAGATGATGC
 CCCGGCCCCGGCCCGGCTGGGCCACAGGCACAGGGCAGCCAGATGTGCCACGATAGACACTGG
 CTATGATTCAGCCCAAGATGTCCTGGGCATCAGGCAGTTGGAGAGGCCATTGCCCTCACCTCTCG
 TGTACCTGCAGGACCTCCCTGGCCTCTGAGGTCCAGGGAATTGCCACCTCAGTTTGAACCTTGAGAGGT
 ATCCAATGAACGCCAGCTGCTGCCGCCCATCTTCCCAACAGGCCCATGGAAGTGTGAGTACTACTG
 CCCCAGAGGGCCCTACCACCACAGGTGCCACAGGCCATGGCTACCCTCCAGCAGCAGCCTACCAGCAA
 GTACTCCAGCCTGCTCTGCCTGGCAGGTCTTCTGGGGCAAGGGCAAGAGGCCACGCCTGTGCAGA
 AGGTATCCTGAATGACTCCAGCCCCAAGACCAAGAAGAGAGACTGCACAGAGAGACTTCTCTTTCC
 GAGGCTCCCGAGGACCAGCTCTACGCCACCATCTAATGGAGTGAAGCCCTGAGGAGTCTTGGAC
 CTTCTCGCAGAGCTGAGACCACATGGTCCCAGGCTCCATCCCTAGCTGCCGTGCCTAGACCCCTAGCA
 ACCCTTAGCCCCGAGAACTCTAAGAACCAGCAATTTGCCAGAAGAATTACGGAAAAGTCTTTACTACTTA
 TTCTATGGACACAGCCATGGAGGTGGTGAATTTGTGAACCTTCTGTTGGTGAACGGCTTCCAAACTGCG
 ATTGACATATTTGAGGATAGAATCCGGGTATTGATATCATTAAATGGATGGAGCGCTATCTTCGAGATA
 AGACAGTGATGATAATCGTAGCAATCAGCCCCAAATACAAACAGGATGTGGAAGGCGCTGAGTCGCAGCT
 GGACGAGGACGAGCATGGCTTACATACTAAGTACATTCATCGGATGATGCAGATTGAGTTCATAAGTCAG
 GGAAGCATGAACTTCAGATTATCCCTGTGCTTCCCAAATGCCAAGAAGGAGCATGTGCCGACCTGGC
 TTCAGAACTCATGTTTACAGCTGGCCCAAGAATAAGAAAAACATCCTGCTGCGGCTGCTCAGGGAGGA
 AGAGTATGTGGCTCTCCCGAGGCCCTCTGCCACCCTCAGGTGGTACCCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208800 representing NM_134000
 Red=Cloning site Green=Tags(s)

MNRSIPVEVDESEFPFSLKPIPEYSPEEELEPPAPNTRNMAPSSLVQLCPPLKLANHQVPSVQVTCL
 RAKVLEEGEASFRRHPELGKDISSCSSGASEPESELGALPPEHRFTLTEKRNRLWLSQLSAASPDGHE
 SDKSDPSLPNALADSFSGGQEMMPRPRPGPHRRAAPDVPTIDTGYDSQPQDVLGIRQLERPLPTSS
 CYLQDLPGPLRSRELPPQFELERYPMNAQLLPPHPSPQAPWNCQYYCPGGPYHHQVPHGHGYPAAAYQQ
 VLQPALPGQVLPGARARGPRPVQKVIILNDSSPQDQEERPAQRDFSFPRLPDQLYRPPSNGVEAPEESLD
 LPAELRPHGPQAPSLAAVRPPSNPLARGTLRTSNLPEELRKVFITYSMDTAMEVVKFVNFLLVNGFQTA
 IDIFEDRIRGIDIIKWMERYLRDKTVMIIVAISPXYKQDVEGAESQLDEDEHGLHTKYIHRMMQIEFISQ
 GSMNFRFIPVLPNAKKEHVPTWLQNTHVYVSWPKNKNILLRLLREEEYVAPRGLPTLQVPL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_134000
ORF Size:	1665 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_134000.3 , NP_598761.2
RefSeq Size:	2867 bp
RefSeq ORF:	1668 bp
Locus ID:	103213
UniProt ID:	Q8N7N6
Cytogenetics:	10 B1
Gene Summary:	<p>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]</p>