

## Product datasheet for **MC205667**

### **Tnfaip1 (NM\_009395) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tnfaip1 (NM_009395) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tnfaip1
Synonyms:	Bacurd2; Edp-1; Edp1; Tnfip1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC003906  
 CTCGGAGAGGCGTCCCCGCGGACGGCACTGAGAGTATGAGGCCCTGGCCTCTGAGGGCCACTCACTCGTG  
 ATCACTTCCACCACGGCAGAACCTTCTAAGCCTACCTCCTGCCGTGTGGTGATCTACCTGCAGCGGGAGA  
 TGTGAGGGGACACCTGTCTGTGTCCAGCCTCGGGGGCCAAAGCCAAGATCAGTGGCTTCAAGGGAGGCGG  
 GCTGGGCAACAAGTACGTGCAGCTCAATGTGGGAGGCTCCCTGTACTACACCACAGTGGGGCCCTCACC  
 CGGCACGACACCATGCTCAAGGCCATGTTCAAGTGGGCGAATGGAGGTGCTGACTGACAAAAGAAGGCTGGA  
 TTCTCATAGACCGATGTGAAAGCACTTTGGCACCATCTTGAATTACCTCCGAGATGACACCATCACCT  
 CCTCAAAGCCGGCAAGAAATCCAGGAGTTGATGGCTGAAGCAAAATATTACCTCATTCAAGGGCTGGTG  
 AGCACGTGCCAGACTGCCCTGCAGGACAAGAAAGACTCCTACCAGCCTGTGTGCAACATCCCCATCATCA  
 CGTCCCTGAGGGAGGAGGACAGGCTCATTGAATCCTCCACAAAGCCTGTGGTGAAGCTGTGTACAACAG  
 GAGCAACAACAAGTACTCATACACCAGCAACTCTGATGATCACCTGCTAAAGAACATTGAACTGTTTAC  
 AAGCTGTCCCTGCGCTTCAACGGCCGCGTGTCTTTCATCAAGGATGTCATTGGGGACGAGATCTGCTGT  
 GGTCTTTCTATGGCCAGGGCCGTAAGCTGGCAGAGGTGTGCTGCACCTCGATTGTGTACGCCACAGAGAA  
 GAAGCAGACCAAGGTGGAATCCAGAGGCCCGTATCTATGAGGAAACACTCAATGTCCTACTCTATGAG  
 ACCCTCGAGTCCCTGACAATTCCTTACTGGAGGCCACAAGCCGGAGCCGAGCCAGGCTTCCCCCAGTG  
 AAGATGAAGACACCTTTGAACTACGGGACCGTGTCCGTGCGATTATGTC AAGCGCTATAGCACTTACGA  
 TGACCCGGCAACTTGGCCATCAGTCCACTCATCGTGACTGATGAGACCCCTAAGAAATCGGGGCACAGAA  
 GTCCTGTCTGCCACCCTGTGGAACGTACCCATTGGCCACCCTATGCTGCTCCTGCTAGCTGGGAGCCTGC  
 TCTAGTATGTACAGGTGACAGCCCTGCTTGGGAGGTTGGGGAGCTGAGAGAGGGAAGGCCACATTGTCTT  
 GGCTGGCCCCCTCCCCCAGCACTTCCAGATGCCACCCCACTTCTGCAATAAGGAGCTACTTCTGCT  
 CTAGGGTGAGTGCCTGATTTCCACCTCCTGCCAAGAATACCCCTGGCCCTTGGCTGAGTGCCCTTT  
 CTTCTGAAGAGCTCCTTTAGCTCCTCAGCTGAGGCCACGAGAACAGCTTTGTTCTAGGGGAAAGGAGGC  
 TTCTGGTGTGCGAGGACCCAAATTTTGAACAGAAAAAGTGGCCTTTTTTTTTTCTAAGGTGTTTAAACAT  
 TGGTATAACCTGGATTTTTGTTTTTAAATCTAGATGTTAGCATGGCCGTACCTATAATCCCGACTA  
 TGGAGAAGCCGAGGTGGGATAACATGTTCTAGGCTAGCCTGGACAACATAGCAAGGCCCTCAATATAAAA  
 TTTTAAAAAGGGGCTCACCTAGCAAGAGTGAGGCCCTGGGCTCAATCTCCAGTACTGCCACACTCACTA  
 GGTATCTACGAAATGACTAGTTTTTGTCTGGGGGAAAGCTAGGACTAAGCAGAGTGCCAGGACCCAC  
 CTAGTAGGCACACTCACACTCACTCCACCCTTTTTCAGTATCCTAGGACCCATCTTTAAAGCACTTT  
 GTATGTCTATCATTGAGGGGAATCTATTCTGCCTTGACCCAAAGCTTTTTCTGACTGATCCCCTCCTG  
 CACAATCTTAAGGAAAGGCTGAGACAGGAGGATACAAGTTTGGAGCCAGCCTGTGCTATGTAGTTAAAA  
 GTTCCAGGCCAGCCTGGGCTACATAGGCTTTGTTTCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_009395

**Insert Size:** 951 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** [BC003906](#), [AAH03906](#)

**RefSeq Size:** 2088 bp

**RefSeq ORF:** 951 bp

**Locus ID:** 21927

**UniProt ID:** [O70479](#)

**Cytogenetics:** 11 46.74 cM

**Gene Summary:** Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex involved in regulation of cytoskeleton structure. The BCR(TNFAIP1) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome, thereby regulating the actin cytoskeleton and cell migration. Its interaction with RHOB may regulate apoptosis. May enhance the PCNA-dependent DNA polymerase delta activity (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.