

Product datasheet for RN204308

Tnfaip1 (NM_182950) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tnfaip1 (NM_182950) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Tnfaip1
 Synonyms: Edp1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN204308 representing NM_182950
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGGGGACACCTGTCTGTGCCAGCCTCAGGAGCCAAGCCCAAGATAAGTGGCTTCAAAGGAGGTG
 GGCTGGGTAACAAGTACGTGCAGCTCAATGTGGGGGGCTCCCTGCACTACACCACGGTCCGGCTCTCAC
 CCGGCACGACACAATGCTCAAGGCCATGTTTCAGTGGGCGGATGGAAGTGTGACCGACAAAGAAGGCTGG
 ATCCTCATAGACCGTTGTGGAAAGCACTTTGGCACCATCTTGAATTACCTCCGAGATGACACCGTCAACC
 TCCTCAAAGCCGGCAAGAAATCCAGGAATTGATGGCTGAAGCAAAATATTACCTCATTCAAGGGCTGGT
 GAGCTTGTGCCAGGCCGCCCTGCAGGACAAGAAAGACTCCTACCAGCCTGTGTGCAACATCCCCATCATC
 ACATCCCTGAGGGAGGAGGACAGGCTCATTGAATCCTCCCAAAGCCGGTGGTGAAGCTGCTGTACAACA
 GGAGCAATAACAAGTACTCGTACACCAGCAACTCTGATGATCACCTACTGAAAAACATTGAACTGTTTGA
 CAAGCTGTCCCTGCGCTTCAATGGTCGCGTCTTTCATCAAGGACGTCATCGGTGACGAGATCTGCTGC
 TGGTCTTCTATGGCCAGGGTCGTAAGCTGGCAGAAGTGTGCTGCACCTCCATTGTGTATGCCACAGAGA
 AGAAGCAGACCAAGGTGGAATCCAGAGGCCCGTATCTATGAGGAGACACTCAATGTCTGCTCTATGA
 GACCCCTCGAGTCCCTGACAATTCCTTGTGGAGGCCACAAGCCGAGCCGAGCCAGGCTTCCCCAGT
 GAAGATGAGGACACCTTTGAATTACGGGACCGTGTCCGTGCGATTACCGTCAAGCGCTATAGTACTTACG
 ACGACCGTCAACTCGGCCATCAGTCTGCTCATCGCGACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_182950
 Insert Size: 951 bp



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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:	<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_182950.4 , NP_891995.1
RefSeq Size:	3885 bp
RefSeq ORF:	951 bp
Locus ID:	287543
UniProt ID:	Q7TNY1
Cytogenetics:	10q25
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 (By similarity). May enhance the PCNA-dependent DNA polymerase delta activity.[UniProtKB/Swiss-Prot Function]