

Product datasheet for **SC116198**

TNFAIP3 (NM_006290) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNFAIP3 (NM_006290) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNFAIP3
Synonyms:	A20; AISBL; OTUD7C; TNFA1P2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_006290, the custom clone sequence may differ by one or more nucleotides

```

ATGGCTGAACAAGTCCTTCCTCAGGCTTTGTATTTGAGCAATATGCGGAAAGCTGTGAAGATACGGGAGA
GAACTCCAGAAGACATTTTTAAACCTACTAATGGGATCATTATCATTTTTAAACCATGCACCGATACAC
ACTGGAAATGTTTCAAGACTTGCAGTTTTGTCTCAGTTTCGGGAGATCATCCACAAAGCCCTCATCGAC
AGAAACATCCAGGCCACCCTGGAAAGCCAGAAGAACTCAACTGGTGTGCGAGAAGTCCGGAAGCTTGTGG
CGCTGAAAACGAACGGTGACGGCAATTGCCTCATGCATGCCACTTCTCAGTACATGTGGGGCCTTCAGGA
CACAGACTTGGTACTGAGGAAGGCCTGTTTTCAGCACGCTCAAGGAAAACAGACACACGCAACTTTAAATTC
CGCTGGCAACTGGAGTCTCTCAAATCTCAGGAATTTGTTGAAACGGGGCTTTGCTATGATACTCGGAACT
GGAATGATGAATGGGACAATCTTATCAAATGGCTTCCACAGACACACCCATGGCCCGAAGTGGACTTCA
GTACAACCTCACTGGAAGAAATACACATATTTGCCTTTGCAACATCCTCAGAAGGCCAATCATTGTCATT
TCAGACAAAATGCTAAGAAGTTTGAATCAGGTTCCAATTTGCCCTTTGAAAGTGGTGGAAATTTACT
TGCTCTCCACTGGCCTGCCAGGAATGCTACAGATACCCATTGTTCTCGGCTATGACAGCCATCATT
TGTACCCTTGGTGACCCTGAAGGACAGTGGGCCTGAAATCCGAGCTGTTCCACTTGTAAACAGAGACCGG
GGAAGATTTGAAGACTTAAAAGTTCACTTTTTGACAGATCCTGAAAATGAGATGAAGGAGAGCTCTTAA
AAGAGTACTTAATGGTGATAGAAATCCCGTCCAAGGCTGGGACCATGGCACAACCTATCTCATCAATGC
CGCAAAGTTGGATGAAGCTAACTTACCAAAGAAATCAATCTGGTAGATGATTACTTTGAACTTGTTCAG
CATGAGTACAAGAAATGGCAGGAAAACAGCGAGCAGGGGAGGAGAGGGGCACGCCCAGAATCCCATGG
AACCTTCCGTGCCAGCTTTCTCTCATGGATGTAATAATGTAACGCCCCAAGTCCCTTCTTCATGTC
TGTGAACACCCAGCTTTATGCCATGAGTGTCTCAGAGAGCGGCAAAAGAATCAAACAAACTCCCAAG
CTGAACCTCAAGCCGGGCCCTGAGGGCTCCCTGGCATGGCGCTCGGGGCTCTCGGGGAGAAGCCTATG
AGCCCTTGGCGTGAACCTGAGGAGTCCACTGGGGGGCTCATTTCGGCCCCACCGACAGCACCCAGCCC
TTTTCTGTTTCAAGTGAACACTGCCATGAAGTGCAGGAGCCCGCTGCCCTTACACTGAATGTGCAG
CACAACGGATTTTGTGAACGTTGCCACAACGCCCGGCAACTTACGCCAGCCACGCCCCAGACCACACAA
GGCACTTGGATCCCGGAAGTGCCAAGCCTGCCTCCAGGATGTTACCAGGACATTTAATGGGATCTGCAG
TACTTGTCTCAAAGGACTACAGCAGAGGCCTCCTCCAGCCTCAGCACCAGCCTCCCTCCTTCTGTAC
CAGCGTCCAAGTCAAGTCCCTCGGGCTCGTCCGGAGCCCTCCCGCATTCTTGCCACAGAGCTGGAA
ACGACGCCCTGTGGTGCCTGTCTAAGCTGCACGGACTCCTGGGACAGGACGGGGACGAGCAAGTG
CAGAAAAGCCGGCTGCGTGTATTTGGGACTCCAGAAAACAAGGGCTTTTGCACACTGTGTTTCATCGAG
TACAGAGAAAACAACATTTTGTGCTGCCTCAGGAAAAGTCAAGTCCACAGCGTCCAGGTTCCAGAACA
CCATTCCGTGCCTGGGGAGGGAATGCGGCACCCTTGAAGCACCATGTTTGAAGGATACTGCCAGAAGTG
TTTCATTGAAGCTCAGAAATCAGAGATTTTATGAGGCCAAAAGGACAGAAGAGCAACTGAGATCGAGCCAG
CGCAGAGATGTGCTCGAACACACAAAGCACCTCAAGGCCCAAGTGCGCCCGGGCTCCTGCAAGAACA
TCCTGGCTGCCGACGAGGAGCTCTGCATGGAGTGTGAGCATCCCAACCAGAGGATGGGCCCTGGGGC
CCACCGGGGTGAGCTGCCCCGAAGACCCCAAGCAGCGTTGCCGGGCCCGCCTGTGATCATTTT
GGCAATGCCAAGTGAACGGCTACTGCAACGAATGCTTTCAGTTCAAGCAGATGTATGGCTAA
    
```

Chromatograms: https://cdn.origene.com/chromatograms/ja1778_g08.zip

Restriction Sites: NotI-NotI

ACCN: NM_006290

Insert Size: 4000 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 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](#)

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_006290.2](#), [NP_006281.1](#)

RefSeq Size: 4705 bp

RefSeq ORF: 2373 bp

Locus ID: 7128

UniProt ID: [P21580](#)

Cytogenetics: 6q23.3

Domains: zf-A20

Protein Families: Druggable Genome

Protein Pathways: NOD-like receptor signaling pathway

Gene Summary: This gene was identified as a gene whose expression is rapidly induced by the tumor necrosis factor (TNF). The protein encoded by this gene is a zinc finger protein and ubiquitin-editing enzyme, and has been shown to inhibit NF-kappa B activation as well as TNF-mediated apoptosis. The encoded protein, which has both ubiquitin ligase and deubiquitinase activities, is involved in the cytokine-mediated immune and inflammatory responses. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.