

Product datasheet for **RC233136**

TNFAIP3 (NM_001270507) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNFAIP3 (NM_001270507) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNFAIP3
Synonyms:	A20; AISBL; OTUD7C; TNFA1P2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC233136 representing NM_001270507
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAACAAGTCCTTCTCAGGCTTTGTATTTGAGCAATATGCGGAAAGCTGTGAAGATACGGGAGA
 GAACTCCAGAAGACATTTTTAAACCTACTAATGGGATCATTTCATTTTTAAAACCATGCACCGATACAC
 ACTGGAATGTTCAAGACTTGCCAGTTTTGTCTCAGTTTCGGGAGATCATCCACAAAGCCCTCATCGAC
 AGAAACATCCAGGCCACCCTGGAAAGCCAGAAGAACTCAACTGGTGTGAGAAAGTCCGGAAGCTTGTGG
 CGCTGAAAACGAACGGTGACGGCAATTGCCTCATGCATGCCACTTCTCAGTACATGTGGGGCGTTACGGA
 CACAGACTTGGTACTGAGGAAGGCGCTGTTTCAGCACGCTCAAGGAAACAGACACACGCAACTTTAAATTC
 CGCTGGCAACTGGAGTCTCTCAAATCTCAGGAATTTGTTGAAACGGGGCTTTGCTATGATACTCGGAACT
 GGAATGATGAATGGGACAATCTTATCAAATGGCTTCCACAGACACACCCATGGCCCGAAGTGGACTTCA
 GTACAACCTCACTGGAAGAAATACACATATTTGCTCTTGAACATCCTCAGAAGGCCAATCATTGTCATT
 TCAGACAAAATGCTAAGAAGTTTGAATCAGGTTCCAATTTGCGCCCTTTGAAAGTGGGTGGAATTTACT
 TGCCCTCTCCACTGGCCTGCCAGGAATGCTACAGATACCCCATTTGTTCTCGGCTATGACAGCCATCATT
 TGTACCCTTGGTGACCCTGAAGGACAGTGGGCCTGAAATCCGAGCTGTTCCACTTGTAAACAGAGACCGG
 GGAAGATTTGAAGACTTAAAAGTTCACTTTTTGACAGATCCTGAAAATGAGATGAAGGAGAAGCTTTAA
 AAGAGTACTTAATGGTGATAGAAATCCCGTCCAAGGCTGGGACCATGGCACAACATCTCATCAATGC
 CGCAAAGTTGGATGAAGCTAACTTACAAAAGAAATCAATCTGGTAGATGATTACTTTGAACTTGTTCAG
 CATGAGTACAAGAAATGGCAGGAAAACAGCGAGCAGGGAGGAGAGGGGCACGCCAGAATCCCATGG
 AACCTTCCGTGCCCGCTTTCTCATGGATGTAATAATGTGAAACGCCCAACTGCCCTTCTTTCATGTC
 TGTGAACACCCAGCCTTTATGCCATGAGTGCTCAGAGAGGCGGCAAAAGAATCAAAAACAACTCCCAAAG
 CTGAACTCCAAGCCGGGCCCTGAGGGGCTCCCTGGCATGGCGCTCGGGGCTCTCGGGGAGAAGCCTATG
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 TTTTCTGTTCACTGAGACCACTGCCATGAAGTGCAGGAGCCCGGCTGCCCTTACACTGAATGTGCAG
 CACAACGGATTTTGTGAACGTTGCCACAACGCCCGCAACTTACGCCAGCCAGCCAGCCAGACACAA
 GGCCTTGGATCCCGGAAGTCCAAGCCTGCCTCCAGGATGTTACCAGGACATTTAATGGGATCTGCAG
 TACTTGTCTCAAAGGACTACAGCAGAGGCTCCTCCAGCCTCAGCACCAGCCTCCCTCCTTCTGTGCAC
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 CAGAAAAGCCGGCTGCGTGTATTTGGGACTCCAGAAAACAAGGGCTTTTGCACACTGTGTTTCATCGAG
 TACAGAGAAAACAACATTTTGTGCTGCCTCAGGGAAAGTCACTCCACAGCGTCCAGGTTCCAGAACA
 CCATTCGCTGCCTGGGGAGGGAATGCGGCACCCTTGAAGCACCATGTTTGAAGGATACTGCCAGAAGTG
 TTTTATTGAAGCTCAGAATCAGAGATTTTATGAGGCCAAAAGGACAGAAGAGCAACTGAGATCGAGCCAG
 CGCAGAGATGTGCTCGAACCACACAAGCACCTCAAGGCCAAGTGCAGCCGGGCTCCTGCAAGAACA
 TCCTGGCTGCCGAGCAGGAGCTCTGCATGGAGTGTGAGCATCCCAACCAGAGGATGGGCCCTGGGGC
 CCACCGGGTGAGCCTGCCCGGAAGACCCCAAGCAGCGTTGCCGGGCCCGCCTGTGATCATTTT
 GGCAATGCCAAGTGAACGGCTACTGCAACGAATGCTTTCAGTTCAAGCAGATGTATGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233136 representing NM_001270507
Red=Cloning site Green=Tags(s)

MAEQVLPQALYLSNMRKAVKIRERTPEDIFKPTNGIIHHFKTMHRYTLEMFRTCQFCPQFREIIHKALID
RNIQATLESQKLNWCREVRLVALKTNGDGNCLMHATSQYMWGVQDLDLVRKALFSTLKETDTRNFKF
RWQLESLSKSEQEFVETGLCYDTRNWNDEWDNLIKMASTDTPMARSGLQYNSLEEIHIFVLCNILLRPIIVI
SDKMLRSLESGSNFAPLKVGGIYLPWHWAQECYRYPIVLGYDSHHFVPLVTLKDSGPEIRAVPLVNRDR
GRFEDLKVHFLTDPENEMKEKLLKEYLMVIEIPVQGDHGTTHLINAAKLDEANLPKEINLVDDYFELVQ
HEYKKWQENSEQGRREGHAQNPMEPSVPQLSLMDVKCETPNCPFFMSVNTQPLCHECSERRQKNQNKLPK
LNSKPGPEGLPGMALGASRGEAYEPLAWNPEESTGGPHSAPPTAPSPFLFSETTAMKCRSPGCPFTLNVQ
HNGFCERCHNARQLHASHAPDHRHLDPGKCQACLQDVTRTFNGICSTCFKRTTAEASSLSTSLPPSCH
QRSKSDPSRLVRSPPHSCHRAGNDAPAGCLSQAARTPGDRTGTSKCRKAGCVYFGTPENKGFCTLCFIE
YRENKHFAAASGKVSPTASRFQNTIPCLGRECGTLGSTMFEQYQKCFIEAQNRFFHEAKRTEEQLRSSQ
RRDVPRTTQSTSRPKCARASCKNILACRSEELCMQCQHPNQRMGPGAHRGEPAPEDPPKQRCRAPACDHF
GNAKCNQYCNECFQFKQMYG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3422_a01.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001270507

ORF Size: 2370 bp

OTI Disclaimer: 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_001270507.2](#)

RefSeq Size: 4729 bp

RefSeq ORF: 2373 bp

Locus ID: 7128

UniProt ID: [P21580](#)

Cytogenetics: 6q23.3

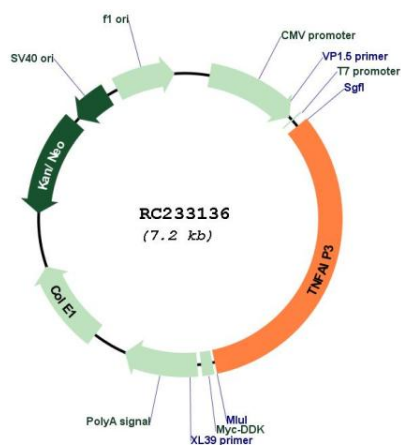
Protein Families: Druggable Genome

Protein Pathways: NOD-like receptor signaling pathway

MW: 89.6 kDa

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]

Product images:



Circular map for RC233136