

## Product datasheet for **RC200722**

### TNFAIP1 (NM\_021137) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TNFAIP1 (NM_021137) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNFAIP1
Synonyms:	B12; B61; BTBD34; EDP1; hBACURD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200722 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTCGGGGGACACCTGCCTGTGCCAGCCTCAGGGGCCAAGCCCAAGCTCAGTGGCTTCAAGGGAGGAG  
GGTTGGGCAACAAGTATGTCCAGCTCAACGTGGGCGGCTCTGTACTACACCCTGTGCGGGCCCTGAC  
CCGCCACGACACCATGCTCAAGGCCATGTTAGTGGGCGCATGGAGGTGCTGACCGACAAAGAAGGCTGG  
ATCCTCATAGACCGTTGTGAAAGCACTTTGGCACCATTTGAATTACCTCCGAGATGACACCATCACCC  
TCCCTCAGAACCAGCAAGAAATCAAGGAATTGATGGCTGAAGCAAAGTATTACCTCATCCAGGGGCTGGT  
GAATATGTGCCAGAGTGCCTGCAGGACAAGAAGGACTCCTACCAGCCTGTGTGCAACATCCCCATCATC  
ACATCCCTAAAGGAGGAGGAGCGGCTCATCGAATCCTCCACCAAGCCCGTGGTGAAGCTGCTGTACAACA  
GAAGCAACAACAAGTATTCCTACACCAGCAACTCTGACGACCACCTGCTGAAAAACATCGAGCTGTTTGA  
CAAGCTCTCCCTGCGCTTCAACGGCCGCGTCTTTCATCAAGGATGTCATTGGTGACGAGATCTGCTGC  
TGGTCTTTTATGGCCAGGGCCGTAAGCTGGCAGAGGTGTGCTGTACCTCCATCGTGTATGCCACGGAGA  
AGAAGCAGACCAAGGTGGAATCCAGAGGCCCAAGCCGTAGCCGACGACGAGGCTTCCCCCAGT  
GACTCCCCGCGTCCCCGACAACCTTTGTTGGAGGCCACAAGCCGTAGCCGACGACGAGGCTTCCCCCAGT  
GAAGATGAGGAGACCTTTGAAGTGGGGACCGTGTCCGCCGATCCACGTCAAGCGCTACAGCACTTACG  
ATGACCGGCAGCTCGGCCACCAGTCTACCCATCGCGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC200722 protein sequence  
Red=Cloning site Green=Tags(s)

MSGDTCLCPASGAKPKLSGFKGGGLGNKYVQLNVGGSLYYTTVRALTRHDTMLKAMFSGRMEVLTDKEGW  
 ILIDRCGKHFGTILNYLRDDTITLPQNRQEIKELMAEAKYYLIQGLVNMCSALQDKKDSYQPCNIP  
 IITSLKEEERLIESSTKPVVKKLLYNRSNNKYSYTSNSDDHLLKNIELFDKLSLRFNGRVLFIKDVI  
 GEICCSWSFYGQGRKLAEVCCTSIYVATEKKQTKVEFPEARIEETLNVLLEYETPRVPDNLLEAT  
 SRSRSQASPS EDEETFELRDRVRRRIHVKRYSTYDDRQLGHQSTHRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6409\\_b10.zip](https://cdn.origene.com/chromatograms/mk6409_b10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_021137

**ORF Size:** 948 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\\_021137.5](#)

**RefSeq Size:** 3822 bp

**RefSeq ORF:** 951 bp

**Locus ID:** 7126

**UniProt ID:** [Q13829](#)

**Cytogenetics:** 17q11.2

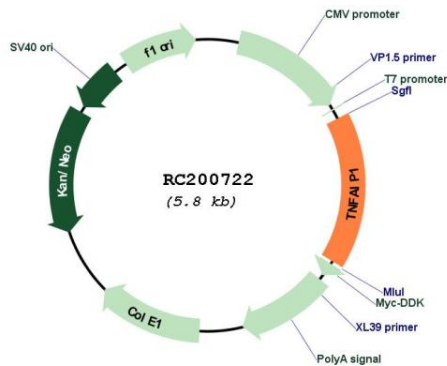
**Domains:** BTB, K\_tetra

**Protein Families:** Druggable Genome, Ion Channels: Other

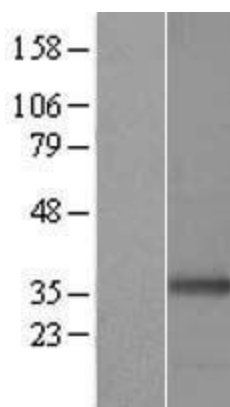
**MW:** 36.2 kDa

**Gene Summary:** This gene was identified as a gene whose expression can be induced by the tumor necrosis factor alpha (TNF) in umbilical vein endothelial cells. Studies of a similar gene in mouse suggest that the expression of this gene is developmentally regulated in a tissue-specific manner. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RC200722



Western blot validation of overexpression lysate (Cat# [LY412070]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200722 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).