

Product datasheet for **RG200722**

TNFAIP1 (NM_021137) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNFAIP1 (NM_021137) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TNFAIP1
Synonyms:	B12; B61; BTBD34; EDP1; hBACURD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200722 representing NM_021137 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCGGGGGACACCTGCCTGTGCCAGCCTCAGGGGCCAAGCCCAAGCTCAGTGGCTTCAAGGGAGGAG
GGTTGGGCAACAAGTATGTCCAGCTCAACGTGGGCGGCTCTGTACTACACCCTGTGCGGGCCCTGAC
CCGCCACGACACCATGCTCAAGGCCATGTTAGTGGGCGCATGGAGGTGCTGACCGACAAAGAAGGCTGG
ATCCTCATAGACCGTTGTGAAAGCACTTTGGCACCATTTGAATTACCTCCGAGATGACACCATCACCC
TCCCTCAGAACCAGAAATCAAGGAATTGATGGCTGAAGCAAGTATTACCTCATCCAGGGGCTGGT
GAATATGTGCCAGAGTGCCTGCAGGACAAGAAGGACTCCTACCAGCCTGTGTGCAACATCCCCATCATC
ACATCCCTAAAGGAGGAGGAGCGGCTCATCGAATCCTCCACCAAGCCCGTGGTGAAGCTGCTGTACAACA
GAAGCAACAACAAGTATTCCTACACCAGCAACTCTGACGACCACCTGCTGAAAAACATCGAGCTGTTTGA
CAAGCTCTCCCTGCGCTTCAACGGCCGCGTCTTTCATCAAGGATGTCATTGGTGACGAGATCTGCTGC
TGGTCTTTTATGGCCAGGGCCGTAAGCTGGCAGAGGTGTGCTGTACCTCCATCGTGTATGCCACGGAGA
AGAAGCAGACCAAGGTGGAATCCAGAGGCCCAATCTATGAGGAGACTCAACGTCTACTCTATGA
GACTCCCCCGTCCCCGACAACCTTGTGGAGGCCACAAGCCGTAGCCGACGACAGGCTCCCCCAGT
GAAGATGAGGAGACCTTTGAAGTGGGGACCGTGTCCGCCGATCCACGTCAAGCGCTACAGCACTTACG
ATGACCGGCAGCTCGGCCACCAGTCTACCATCGCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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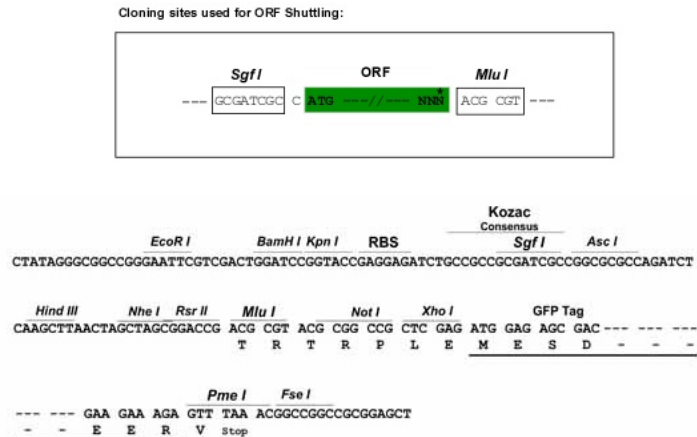
Protein Sequence: >RG200722 representing NM_021137
 Red=Cloning site Green=Tags(s)

```
MSGDTCLCPASGAKPKLSGFKGGGLGNKYVQLNVGGSLYYTTVRALTRHDTMLKAMFSGRMEVLTDKEGW
ILIDRCGKHFGTILNYLRDDTITLPQNRQEIKELMAEAKYYLIQGLVNMCSALQDKKDSYQPVNCIPII
TSLKEEERLIESSTKPVVKKLLYNRSNNKYSYTSNSDDHLLKNIELFDKLSLRFNGRVLFIKDVIQDEICC
WSFYGQGRKLAEVCCTSIYVATEKKQTKVEFPEARIYEETLNVLLEYETPRVPDNLLEATSRSRSQASPS
EDEETFELRDRVRRRIHVKRYSTYDDRQLGHQSTHRD
```

TRTRPLE - GFP Tag - V

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: 3571 bp

RefSeq ORF: 951 bp

Locus ID: 7126

UniProt ID: [Q13829](#)

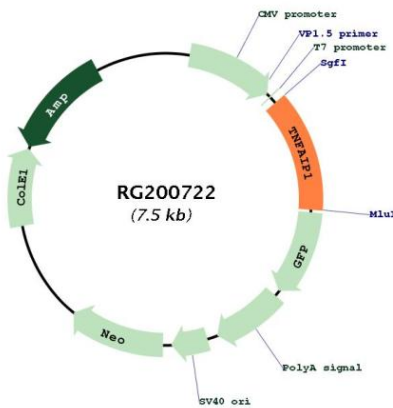
Cytogenetics: 17q11.2

Domains: BTB, K_tetra

Protein Families: Druggable Genome, Ion Channels: Other

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 RG200722