

Product datasheet for **RC236593**

TNFAIP8 (NM_001286814) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TNFAIP8 (NM_001286814) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TNFAIP8
Synonyms: GG2-1; MDC-3.13; NDED; SCC-S2; SCCS2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236593 representing NM_001286814
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTCTACCAAGATACTGTGAAGTTGCTCTTCTGATTGCACACGGGGAGAAAATGCTGAACTAGTGG
CCACAGATGTCTTAATCCAAAAACCTGGCCGTTCAAGCACAAAAGAAGATCTTGGGTAATGTTGTC
CAAATCCATCGCCACCACCTTAATAGACGACACAAGTAGTGAGGTGCTGGATGAGCTCTACAGAGTGACC
AGGGAGTACCCAAAACAAGAAGGAGGAGAGAGATCATCAAGAACCTCATCAAGACAGTCATCAAGC
TGCCATTCTTTATAGGAATAATCAGTTTAATCAAGATGAGCTAGCATTGATGGAGAAAATTAAGAAGAA
AGTTTCATCAGCTTGCTATGACCGTGGTCAGTTCCATCAGGTGGATTATACCTTTGACCGGAATGTGTTA
TCCAGGCTGTTAATGAATGCAGAGAGATGCTGCACCAATCATTAGCGCCACCTCACTGCCAAGTCAC
ATGGACGGGTTAATAATGTGTTGATCATTTTTAGATTGTAATTTTTGGCTGCCTGTATAATCCTTT
TGGGAATTTAAACCCCACTTACAAAACTATGTGATGGTATCAACAAAATGTTGGATGAAGAGAACATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236593 representing NM_001286814
Red=Cloning site Green=Tags(s)

MTLPRYCEVLLIAHGEKMLKLVATDVFNKSLAVQAQKKILGKMVSKSIATTLIDDSSEVLDELRYVT
REYTONKKEAEKIKNLIKTVIKLAILYRNNQFNQDELALMEKFKKQVHQLAMTVVFSFHQVDYTFDRNVL
SRLLNECREMLHQIQRHLTAKSHGRVNNVDFHSDCEFLAALYNPFGNFKPHLQKLCDGINKMLDEENI

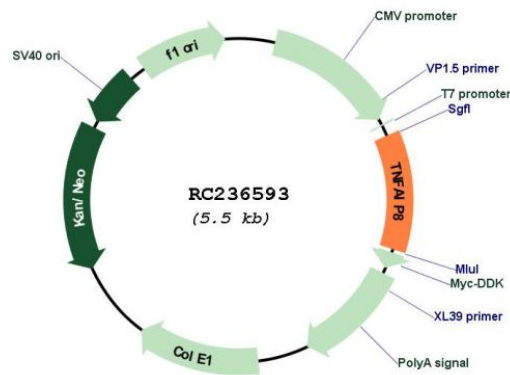
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001286814

ORF Size: 630 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_001286814.1](#), [NP_001273743.1](#)

RefSeq Size: 2258 bp

RefSeq ORF: 633 bp

Locus ID: 25816

UniProt ID: [O95379](#)

Cytogenetics: 5q23.1

Protein Families: Druggable Genome

MW: 24.8 kDa

Gene Summary: Acts as a negative mediator of apoptosis and may play a role in tumor progression. Suppresses the TNF-mediated apoptosis by inhibiting caspase-8 activity but not the processing of procaspase-8, subsequently resulting in inhibition of BID cleavage and caspase-3 activation.[UniProtKB/Swiss-Prot Function]