

Product datasheet for RC220669

TNFAIP8 (NM_001077654) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TNFAIP8 (NM_001077654) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TNFAIP8
Synonyms: GG2-1; MDC-3.13; NDED; SCC-S2; SCCS2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC220669 representing NM_001077654
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCACAGATGCTTTAATCCAAAAACCTGGCCGTTTCAGGCACAAAAGAAGATCTTGGGTAATGG
 TGTCCAAATCCATCGCCACCACCTTAATAGACGACACAAGTAGTGAGGTGCTGGATGAGCTCTACAGAGT
 GACCAGGGAGTACACCCAAAACAAGAAGGAGGCAGAGAAGATCATCAAGAACCTCATCAAGACAGTCATC
 AAGCTGGCATTCTTTATAGGAATAATCAGTTAATCAAGATGAGCTAGCATTGATGGAGAAATTTAAGA
 AGAAAGTTCATCAGCTTGCTATGACCGTGGTCAGTTCCATCAGGTGGATTATACCTTTGACCGGAATGT
 GTTATCCAGGCTGTTAAATGAATGCAGAGAGATGCTGCACCAAATCATTACGCGCCACCTACTGCCAAG
 TCACATGGACGGGTTAATAATGTGTTTGTATCTTTTCAGATTGTGAATTTTGGCTGCCTTGATAATC
 CTTTTGGGAATTTAAACCCCACTTACAAAAACTATGTGATGGTATCAACAAAATGTTGGATGAAGAGAA
 CATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220669 representing NM_001077654
 Red=Cloning site Green=Tags(s)

MATDVFNSKNLAVQAQKKILGKMVSKSIATTLIDDSSEVLDEL YRVTREYTONKKEAEKIIKNLIKTVI
 KLAAILYRNNQFNQDELALMEKFKKKVHQLAMTVVSFHHQVDYTFDRNVL S RLLNECREMLHQI IQRHLTAK
 SHGRVNVVDFHFDSDCEFLAALYNPFGNFKPHLQKLC DGINKMLDEENI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/ja1433_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077654

ORF Size: 564 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:

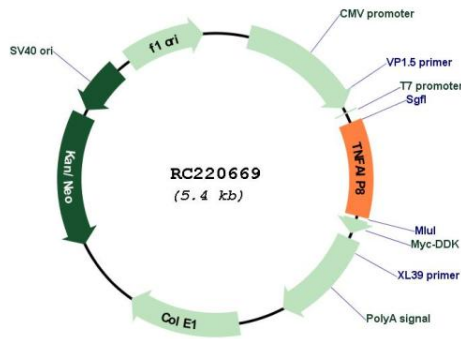
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

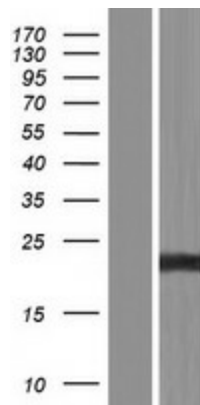
RefSeq: [NM_001077654.3](#)

RefSeq Size: 1979 bp

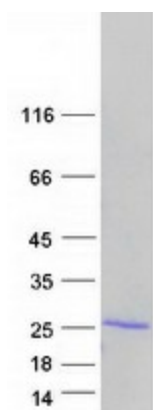
RefSeq ORF:	567 bp
Locus ID:	25816
UniProt ID:	<u>O95379</u>
Cytogenetics:	5q23.1
Protein Families:	Druggable Genome
MW:	21.7 kDa
Gene Summary:	Acts as a negative mediator of apoptosis and may play a role in tumor progression. Suppresses the TNF-mediated apoptosis by inhibiting caspase-8 activity but not the processing of procaspase-8, subsequently resulting in inhibition of BID cleavage and caspase-3 activation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC220669



Western blot validation of overexpression lysate (Cat# [LY421470]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220669 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TNFAIP8 protein (Cat# [TP320669]). The protein was produced from HEK293T cells transfected with TNFAIP8 cDNA clone (Cat# RC220669) using MegaTran 2.0 (Cat# [TT210002]).