

## Product datasheet for RC236211

### TNFAIP8 (NM\_001286817) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TNFAIP8 (NM\_001286817) 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:** >RC236211 representing NM\_001286817  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGTCCAAATCCATCGCCACCACCTTAATAGACGACACAAGTAGTGAGGTGCTGGATGAGCTCTACA  
 GAGTGACCAGGGAGTACACCCAAAACAAGAAGGAGGCAGAGAAGATCATCAAGAACCTCATCAAGACAGT  
 CATCAAGCTGGCCATTCTTTATAGGAATAATCAGTTTAATCAAGATGAGCTAGCATTGATGGAGAAATTT  
 AAGAAGAAAGTTCATCAGCTTGCTATGACCGTGGTCAGTTCCATCAGGTGGATTATACCTTTGACCGGA  
 ATGTGTTATCCAGGCTGTTAAATGAATGCAGAGAGATGCTGCACCAAATCATTACGCGCCACCTCACTGC  
 CAAGTCACATGGACGGGTTAATAATGTGTTTATGATCATTTTTAGATTGTGAATTTTTGGCTGCCTTGAT  
 AATCCTTTTGGGAATTTAAACCCCACTTACAAAACTATGTGATGGTATCAACAAAATGTTGGATGAAG  
 AGAACATA

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236211 representing NM\_001286817  
 Red=Cloning site Green=Tags(s)

MVSKSIATTLIDDTSSSEVLDEL YRVTREYTONKKEAEKIIKNLIKTVIKLAILYRNNQFNQDELALMEKF  
 KKKVHQLAMTVVFSFHQVDYTFDRNVL SRLNNECREMLHQI IQRHLTAKSHGRVNNVDFHFDCEFLAALY  
 NPFGNFKPHLQKLCDGINKMLDEENI

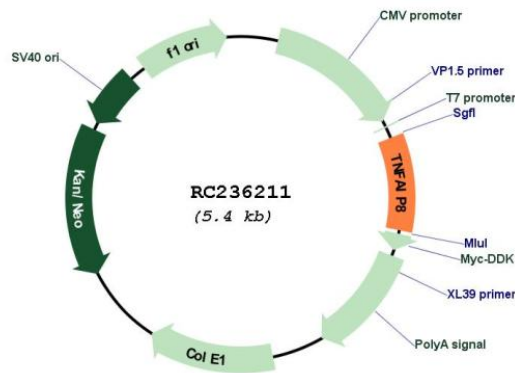
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001286817

**ORF Size:** 498 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001286817.2</a>
<b>RefSeq Size:</b>	2139 bp
<b>RefSeq ORF:</b>	501 bp
<b>Locus ID:</b>	25816
<b>UniProt ID:</b>	<a href="#">O95379</a>
<b>Cytogenetics:</b>	5q23.1
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	19.9 kDa
<b>Gene Summary:</b>	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]