

Product datasheet for **SC315484**

TNFAIP8 (NM_001077654) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNFAIP8 (NM_001077654) Human Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>SC315484 representing NM_001077654. Blue=Insert sequence Red=Cloning site Green=Tag(s)

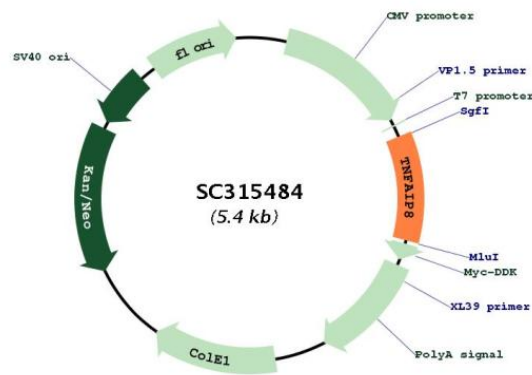
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACAGATGTCTTTAATCCAAAAACCTGGCCGTTTCAGGCACAAAAGAAGATCTTGGGTAATG
GTGTCCAAATCCATCGCCACCACCTTAATAGACGACACAAGTAGTGAGGTGCTGGATGAGCTCTACAGA
GTGACCAGGGAGTACACCCAAAACAAGAAGGAGGCAGAGAAGATCATCAAGAACCTCATCAAGACAGTC
ATCAAGCTGGCCATTCTTTATAGGAATAATCAGTTTAAATCAAGATGAGCTAGCATTGATGGAGAAATTT
AAGAAGAAAGTTCATCAGCTTGCTATGACCGTGGTCAGTTTCCATCAGGTGGATTATACCTTTGACCGG
AATGTGTTATCCAGGCTGTTAAATGAATGCAGAGAGATGCTGCACCAAATCATTACGCGCCACCTCACT
GCCAAGTCACATGGACGGTTAATAATGTGTTTATCATTTCAGATTGTGAATTTTGGCTGCCTTG
TATAATCCTTTTGGGAATTTAAACCCCACTTACAAAACTATGTGATGGTATCAACAAAATGTTGGAT
GAAGAGAACATATGA
ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_001077654

Insert Size: 567 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001077654.2</u>
RefSeq Size:	2017 bp
RefSeq ORF:	567 bp
Locus ID:	25816
UniProt ID:	<u>O95379</u>
Cytogenetics:	5q23.1
Protein Families:	Druggable Genome
MW:	21.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains an alternate 5'-terminal exon and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) has a shorter and distinct N-terminus, compared to isoform a.</p>