

Product datasheet for MR201983

Tnfaip8 (NM_134131) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnfaip8 (NM_134131) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tnfaip8
Synonyms: AA987150; E130304C20Rik; ENSMUSG00000073567; Gg2-1; Gm10539; Nded; Ssc-2; Tipe
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201983 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTCCGAAGCGGAGGAGCCAGGGAAGTGGCTACAGATGTCTTCAATTCCAAAACTGGCCGTTCC
 AGGCACAAAAGAAGATCCTGGGCAAAATGGTATCCAAATCCATCGCCACCACGCTGATCGACGACACCAG
 CAGCGAGGTGCTAGATGAGCTGTACAGGGTGACCAAGGAGTACACCCAGAACAAGAAGGAGGCGGAGAGG
 GTCATCAAGAACCTCATCAAGACGGTCACTAAGCTGGCCGCTCCACAGGAACAATCAGTTCAATCAAG
 ACGAGCTGGCGCTCATGGAGAAGTCAAGAAGAAGGTGCACCAGCTTGCCATGACGGTCGTGAGCTTCCA
 CCAGGTAGAGTACACCTTCGACCCAATGTGCTGTCCAGGCTGCTGAACGAGTGCAGAGCTCCTACAC
 GAGATCATTACAGCGCCACCTTACCGCAAGTCTCACGGACGGTTAATAATGTCTTTGACATTTTTTCAG
 ATTGTGATTTTTGGCTGCCTTGTACAATCCCTTTGAAAAGTTTAAACCTCACTTACAGAAACTTTGCGA
 CGGCATCAACAAAATGTTGGATGAAGAGAACATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201983 protein sequence
 Red=Cloning site Green=Tags(s)

MLSEAEPPREAVTDVFNKSNLAVQAQKKILGKMVSKSIATTLIDDTSSSEVLDEL YRVTKKEYTQNKKEAER
 VIKNLIKTVIKLAVLHRNNQFNQDELALMEKFKKKVHQLAMTVVFSFHQVEYTFDRNVL SROLLNECRELLH
 EIIQRHLTAKSHGRVNNVDFHFSDCDFLAALYNPFGKFKPHLQKLCGDKGINKMLDEENI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_134131

ORF Size: 597 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_134131.1](#), [NP_598892.1](#)

RefSeq Size: 3368 bp

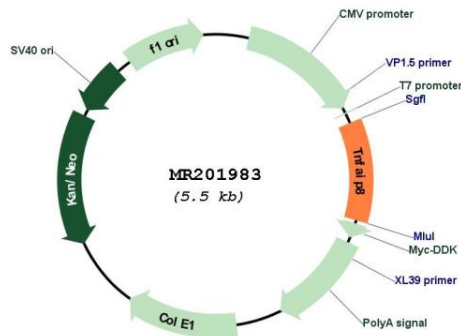
RefSeq ORF: 639 bp

Locus ID: 106869

UniProt ID: [Q921Z5](#)

Cytogenetics:	18 D1
MW:	23 kDa
Gene Summary:	Acts as a negative mediator of apoptosis. 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201983