

Product datasheet for **MG223077**

Tnfaip8 (NM_001177759) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnfaip8 (NM_001177759) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tnfaip8
Synonyms: AA987150; E130304C20Rik; ENSMUSG00000073567; Gg2-1; Gm10539; Nded; Ssc-2; Tipe
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223077 representing NM_001177759
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTACAGATGCTTCAATTCAAAAACCTGGCCGTTTCAGGCACAAAAGAAGATCCTGGGCAAAATGG
 TATCCAAATCCATCGCCACCACGCTGATCGACGACACCAGCAGCGAGGTGCTAGATGAGCTGTACAGGGT
 GACCAAGGAGTACACCCAGAACAAGAAGGAGCGGAGAGGGTTCATCAAGAACCTCATCAAGACGGTCATC
 AAGCTGGCCGTCCTCCACAGGAACAATCAGTTCATCAAGACGAGCTGGCGCTCATGAGAAAGTTCAAGA
 AGAAGGTGCACCAGCTTGCCATGACGGTCGTCAGCTTCCACCAGGTAGAGTACACCTTCGACCGCAATGT
 GCTGTCCAGGCTGCTGAACGAGTGCCGAGAGCTCTACACGAGATCATTACGCGCCACCTTACCGCCAAG
 TCTCACGGACGGGTTAATAATGTCTTTGACCATTTTTCAGATTGTGATTTTTGGCTGCCTTGTAACAATC
 CCTTTGAAAGTTTAAACCTCACTTACAGAACTTTGCGACGGCATCAACAAAATGTTAGATGAAGAGAA
 CATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223077 representing NM_001177759
 Red=Cloning site Green=Tags(s)

MATDVFNKSNLAVQAQKKILGKMVSKSIATTLIDDTSSSEVLDEL YRVTKKEYTQNKKEAERVIKNLIKTVI
 KLAVLHRNNQFNQDELALMEKFKKKVHQLAMTVVSFHQVEYTFDRNVLSRLLNECRELLHEIQRHLTAK
 SHGRVNNVDFHSDCDFLAALYNPFGKFKPHLQKLCDGINKMLDEENI

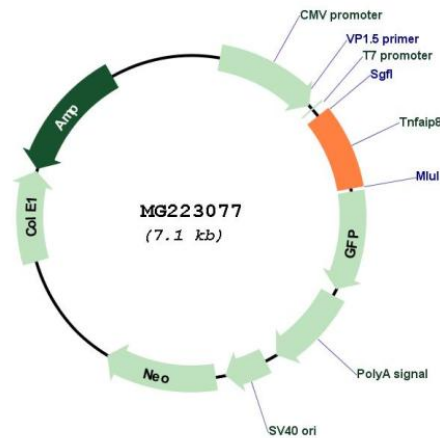
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001177759

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.

RefSeq: NM_001177759.1, NP_001171230.1

RefSeq Size: 3230 bp

RefSeq ORF: 567 bp

Locus ID: 106869

Cytogenetics: 18 D1

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]