

## Product datasheet for **MG209246**

### Zfp467 (BC029859) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp467 (BC029859) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp467
Synonyms:	MNCb-3350, EZI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209246 representing BC029859  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGAGAGACCTGGAGCCCTGAACTCCTTGGGATTCTCAGTGGGACAGCCAGAGATGGCTCCCAGA  
 GTGAGCCCAGGGATGGGTTTCAGTAATGCCAGGAGAAGATGTCATCCAGAGGAGAGACACTGCACTC  
 CTGCTCAGGGCATGAGACTCCTGGCCAGAAAGAAGGCATCCACACAGAACAAGCTGAAGCTCCTGTATG  
 GGCAGCCAGGCCAGTACCCACAGAAGGCCAACCTGCAGGCTCTGTCCAGGGGAGGAATGGATGATTC  
 GGAAGGTGAAGGTAGAGGATGAGGATCAGGAGGCAGAGGAGGAGTGAATGGCCCCAGCATCTCTCCTT  
 CCTTCCCAGTCTTTTCCACTCCTGACTTGGGTCACTTGGTGTACGTACAACTGGAGCCAGGGACT  
 CCGGGAGCACTAGGTGAATCGCGCTGTCCGGTGGGCCCGATCCCTGAGAAGCCTTATGGCTGCGAGG  
 AATGCGAGCGGCTTCCGGGATCAGCTAACTGCGGCTGCACCAGAGGTTGCACCGGGGTGAGGGTCC  
 TTGTGCCTGCCCGACTGTGGCCGAGCTTACGCAGCGTGTCTATATGCTCCTGCACCAACGCAGCCAC  
 CGCGGAGAGCGTCCCTTCCCGTGTCTCAGAGTGCACAAGCGCTTACGCAAGAAGGCCACCTGACCCGCC  
 ACCTGCGCAGCACACTGGCGAGCGTCCCTACCGTGGCGTGTGAGTGGCGCAAACGCTTACGCCAGAAGAT  
 TCACCTAGGCTCGCATCAGAAGACCCACACCGGAGAGCGGCCCTTCCCCTGCACCGAATGCGAGAAACGT  
 TTCCGCAAGAAGACGCATCTGATCCGCCACCAGCGTATCCACACCGGCGAGAGGCCCTACCAAGTGCACCC  
 AGTGCACGCGCAGCTTACACACAAGCAACACCTGGTGGCGCACAGAGGGTGCACGATGCTGTAGCCG  
 CACCCGGTCTCTCCAGACATTCCTGTTGCTCCCCATCCCCACCGCTCTTACCCCGTCCCCTCT  
 GGGCCAAAGCCTTTCGCTTGTCCACTGCGGGCAGAGCTTGGCTGGAAAAAGAACCTCGTACGCACC  
 AGACTGTGATCTCACCGAGGGTCTCTTTGGGTGCGATGAATGTGCACTCGGCACCAACGTGGACCC  
 CGCGCGGAGCCCTCGGCCTGCACTCCCCATGCGCCTGACTGTGGACCGGGTTCGGGGCCCGCGCACCC  
 CAGCGCACCACTCCAGCGAGCGTCTTCTTCTGCCCGACTGCGGGCAGGCTTTGCCACGGGCAGC  
 ACCTGGCCCGCCACCGCGGGTGCACACGGGCGAAAGGCCATTTGCTGTGCTCAGTGTGGCCGCCGCTT  
 CGGCTCACGACCAATCTAGTCGCCACTCCCGGGCCATAGCGGCGCCAGACCTTTTGCCTGTGCGCAA  
 TGTGGCCCGCTTCACTCGAAATCTCACCTCGGCCGCCACCAGGCAGTGCACACTGGTGTGCGCCCC  
 ACGCTGCGCGTCTGCGCCGCTGCTTACGCTCTAAAACCAACCTGGTCCGCCATCAGGCAATCCATAC  
 AGGTTCCCGCCCTTTTCTGCCCTCAGTGCGCCAAGAGCTTACGCCGAAGACCATCTGGTGCGGCAC  
 CAACGCATCCATGGGACGCGGCCCTCCAGCCCCAGCCTCGAACCTCTCTGCTCCAGCCTGGTCCAATC  
 CCTCCGAGGTGGTACCACCTCCAATCTTTTTC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG209246 representing BC029859  
 Red=Cloning site Green=Tags(s)

MRETLEALNSLGFVSGQPEMAPQSEPRDGFSAQEKMSRGESTLHSCSGHETPGQKEGIHTEQAEAPCM  
 GSQASTPQKAEPAGSVPGEEMIRKVKVEDEDQEAEEVEWPHLSFLPSPFPTDLGQLAVTYKLEPGT  
 PGALGGIALSGWAPIPEKPYGCEECERRFRDQLTLRLHQRLHRGEGPCACPDGSRFTQRAHMLLHQRSR  
 RGERPFPCSECDKRFSKKAHLTRHLRTHGERPYPCAECGRFSQKIHLGSHQKTHGERPFPCTEKEK  
 FRKKTHLIRHQRIHTGERPYQCTQCTRSFTHKQHLVRHQVHDAASRTRSSPDIPVAPHSPTASLTPSPP  
 GPKPFACSHCGQSFGWKKNLATHQSLHLEGRPFGCDECALGTNVDPAEPSACTPHAPDCGPGSGPAAP  
 QRTTSSERSFFPCDGRGFAHQHLARHRRVHTGERPFAQAQCGRRFGSRPNLVAHSRAHSGARPFACAQ  
 CGRRFSRKSHLGRHQAVHTGSRPHACAVCARCFSSKTNLVRHQAIHTGSRPFCPQCAKSF SRKTHLVRH  
 QRTHGDAALPAPASNLSAPAWSNPSEVPPPIFF

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC029859

**ORF Size:** 1784 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:** [BC029859](#), [AAH29859](#)

**RefSeq Size:** 2366 bp

**RefSeq ORF:** 1784 bp

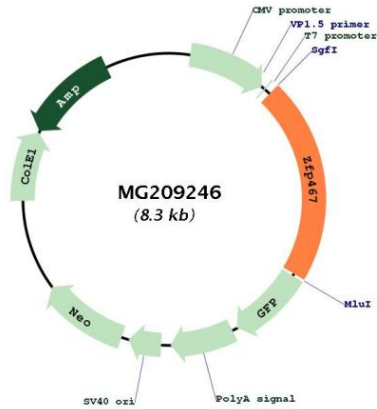
**Locus ID:** 68910

**Cytogenetics:** 6 B2.3

**Gene Summary:**

Transcription factor that promotes adipocyte differentiation and suppresses osteoblast differentiation in the bone marrow. Enhances the osteoclast-supporting ability of stromal cells. Binds with STAT3 the consensus sequence 5'-CTTCTGGGAAGA-3' of the acute phase response element (APRE). Transactivates several promoters including FOS, OSM and PPARG. Recruits a histone deacetylase complex.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG209246