

Product datasheet for **MG216572**

Zfp467 (NM_020589) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zfp467
Synonyms:	1190001108Rik; AB041616; AI426952; AV017623; EZI; MNCb-3350; Znf467
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216572 representing NM_020589
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGAGAGACCCTGGAGGCCCTGAACTCCTTGGGATTCTCAGTGGGACAGCCAGAGATGGCTCCCCAGA
 GTGAGCCCAGGGATGGGTTTCACTAATGCCAGGAGAAGATGTCATCCAGAGGAGAGACACTGCACTC
 CTGCTCAGGGCATGAGACTCCTGGCCAGAAAGAAGGCATCCACACAGAACAAGCTGAAGCTCCTTGATG
 GGCAGCCAGGCCAGTACCCACAGAAGGCCAAGCTGCAGGCTCTGTCCAGGGGAGGAATGGATGATTC
 GGAAGGTGAAGGTAGAGGATGAGGATCAGGAGGCAGAGGAGGAGGTGGAATGGCCCCAGCATCTCTCCTT
 CCTTCCCAAGTCTTTTCCCACTCCTGACTTGGGTCAGTTGGCTGTTACGTACAAACTGGAGCCAGGGACT
 CCGGGAGCACTAGGTGGAATCGCGCTGTCCGGGTGGGCCCGATCCCTGAGAAGCCTTATGGCTGCGAGG
 AATGCGAGCGCGTTCGCGGATCAGCTAACTCTGCGGCTGCACCAGAGGTTGCACCGGGGTGAGGGTCC
 TTGTGCTGCCCGACTGTGGCCGAGCTTACGCAGCGTGTCTATGCTCCTGCACCAACGCAGCCAC
 CGCGGAGAGCGTCCCTTCCCGTCTCAGAGTGCACAAGCGTTTACGAAGAAGGCCACCTGACCCGCC
 ACCTGCGCACGCACTGGCGAGCGTCCCTACCCGTGCGCTGAGTGCAGCAACCGCTTACGCCAGAAGAT
 TCACCTAGGCTCGCATCAGAAGACCACACCGGAGAGCGGCCCTTCCCTGCACCGAATGCGAGAAAAGT
 TTCCGCAAGAAGACGCATCTGATCCGCCACCAGCGTATCCACACCGGCGAGAGGCCCTACCAAGTGCACCC
 AGTGACGCGCAGCTTACACACAAGCAACACCTGGTGCAGGACAGAGGGTGCACGATGCTGCTAGCCG
 CACCCGGTCTCTCCAGACATTCTGTTGCTCCCAATCCCAACCGCGTCTTACCCCGTCCCTCCT
 GGGCCCAAGCCTTTCGCTTGTCCCACTGCGGGCAGAGCTTGGGCTGAAAAAAGAACCTCGTACGCACC
 AGAGTCTGCATCTCACCAGGGTCTCCTTTTGGGTGCGATGAATGTGCACTCGGCACCAACGTGGACCC
 CGCCGCGAGCCCTCGGCCTGCACTCCCATGCGCCTGACTGTGACCGGGTTCGGGGCCCGCGGACCC
 CAGCGCACCACTCCAGCGAGCGCTCCTTCTTCTGCCCGACTGCGGGCAGGCTTTGCCACGGGCAGC
 ACCTGGCCCGCCACCGCGGGTGCACACGGGCGAAAGGCCATTTGCTGTGCTCAGTGTGGCCCGCGCTT
 CGGCTCAGACCCAATCTAGTGCACCACTCCCGGCCATAGCGGCGCCAGACCTTTGCTGTGCGCAA
 TGTGGCCGCGCTTCAAGTGCACAACTCACTCGGCCGCCACAGGCAAGTGCACACTGGTAGTCCGCCCC
 ACGCCTGCGCGCTGCGCCCGCTGCTTCAAGTCTAAAACCAACTGGTCCGCCATCAGGCAATCCATAC
 AGGTTCCCGCCCTTTTCTGCCCTCAGTGCAGCAAGAGCTTACGCGCAAGACCCATCTGGTGCAGCAC
 CAACGCATCCATGGGACGCGCCCTCCAGCCCGAGCCTCGAACCTCTGCTCCAGCCTGGTCCAATC
 CCTCCGAGGTGGTACCACCTCCAATCTTTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216572 representing NM_020589
 Red=Cloning site Green=Tags(s)

MRETLEALNSLGFVSGQPEMAPQSEPRDGFSAQEKMSRGESTLHSCSGHETPGQKEGIHTEQAEAPCM
 GSQASTPQKAEPAGSVPGEEWMIRKVKVEDEDQEAEEVEWPHLSFLPSPFPTDGLQAVTYKLEPGT
 PGALGGIALSGWAPIPEKPYGCEECERRFRDQLTLRLHQRLHRGEGPCACPDGGRSFTQRAHMLLHQRSH
 RGERPFPCSECDKRFSSKKAHLTRHLRTHTERPYPYCAECGKRFSSQIHLGSHQKTHTERPFPCTECEKR
 FRKKTHLIRHQRIHTGERPYQCTQCTRSFTHKQHLVRHQVHDAASRTRSSPDIPVAPHSPTASLTPSPP
 GPKPFACSHCGQSFGWKKNLATHQSLHLEGRPFGCDECALGTNVDPAAEPSACTPHAPDCGPGSGPAAP
 QRTTSSERSFFCPDCGRGFAHQHLARHRRVHTGERPFAQAQCGRRFGSRPNLVAHSRAHSGARPFACAQ
 CGRRFSRKSHLGRHQAVHTGSRPHACAVCARCFSSKTNLVRHQAIHTGSRPFSQPQAKSFSRKHVLRH
 QRIHGDAALPAPASNLSAPAWSNPSEVPPPIFF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_020589

ORF Size: 1782 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.

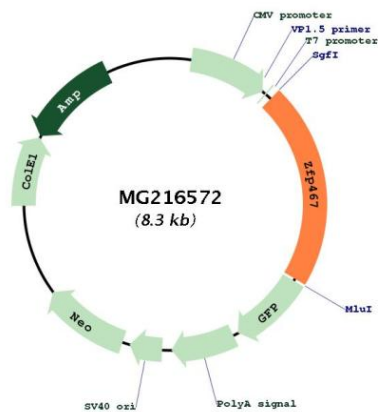
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020589.2](#), [NP_065614.2](#)

RefSeq Size:	3629 bp
RefSeq ORF:	1785 bp
Locus ID:	68910
UniProt ID:	Q8JZL0
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 MG216572