

Product datasheet for **MR209246**

Zfp467 (NM_001085415) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp467 (NM_001085415) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp467
Synonyms:	1190001I08Rik; AB041616; AI426952; AV017623; EZI; MNCb-3350; Znf467
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR209246 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAGAGACCCTGGAGGCCCTGAACTCCTTGGGATTCTCAGTGGGACAGCCAGAGATGGCTCCCCAGA
 GTGAGCCAGGGATGGGTTCAGTAATGCCAGGAGAAGATGTCATCCAGAGGAGAGACACTGCACTC
 CTGCTCAGGGCATGAGACTCCTGGCCAGAAAGAAGGCATCCACACAGAACAAGCTGAAGCTCCTTGATG
 GGCAGCCAGGCCAGTACCCACAGAAGGCCAACCCTGCAGGCTCTGTCCAGGGGAGGAATGGATGATTC
 GGAAGGTGAAGGTAGAGGATGAGGATCAGGAGGCAGAGGAGGAGTGAATGGCCCCAGCATCTCTCCTT
 CTTTCCAGTCCTTTCCCACTCCTGACTTGGGTCACTTGGCTGTTACGTACAACTGGAGCCAGGGACT
 CCGGGAGCACTAGGTGGAATCGCGCTGTCCGGTGGGCCCGATCCCTGAGAAGCCTTATGGCTGCGAGG
 AATGCGAGCGGCTTTCCGGATCAGCTAACTCTGCGGCTCCACCAGAGGTTGCACCGGGGTGAGGGTCC
 TTGTGCTGCCCCGACTGTGGCCGAGCTTCACGCAGCGTCTCATATGCTCCTGCACCAACGCAGCCAC
 CGCGGAGAGCGTCCCTTCCCGTGTCTAGAGTGCACAAGCGCTTCAGCAAGAAGGCCACCTGACCCGCC
 ACCTGCGCAGCACACTGGCGAGCGTCCCTACCCGTGCGCTGAGTGGCGCAAACGCTTACGCCAGAAGAT
 TCACCTAGGCTCGCATCAGAAGACCCACACCGGAGAGCGGCCCTTCCCCTGCACCGAATGCGAGAAACGT
 TTCCGCAAGAAGACGCATCTGATCCGCCACCAGCGTATCCACACCGGCGAGAGGCCCTACCACTGCACCC
 AGTGCACGCGCAGCTTCACACAAGCAACACCTGGTGGCGCACAGAGGGTGCACGATGCTGCTAGCCG
 CACCCGGTCTCTCCAGACATTCCTGTTGCTCCCCATCCCCACCGCTCTCTTACCCCGTCCCCTCCT
 GGGCCCAAGCCTTTCGCTTGTTCCTGCTGCGGGCAGAGCTTCGGCTGGAAAAAGAACCTCGCTACGCACC
 AGAGTCTGCATCTCACGAGGGTCTGCTTTTGGGTGCGATGAATGTGCACTCGGCACCAACGTGGACCC
 CGCCGCCGAGCCCTCGGCCTGCACTCCCATGCGCCTGACTGTGGACCGGGTTCGGGGCCCGCGGCACCC
 CAGCGCACCACTCCAGCGAGCGTCTCTTCTGCCCCGACTGCGGGCAGGCTTTGCCACGGGCAGC
 ACCTGGCCCGCCACCGCGGGTGCACACGGGCGAAAGGCCATTTGCTGTGCTCAGTGTGGCCGCCGCTT
 CGGCTCACGACCAATCTAGTCGCCCACTCCCGGGCCATAGCGCGCCAGACCTTTGCTGTGCGCAA
 TGTGGCCGCCGCTTCAGTCGAAATCTCACCTGGGCGGCCACAGGCAGTGCACACTGGTAGTCGCCCCC
 ACGCCTGCGCGTCTGCGCCGCTGCTTCACTCTAAAACCAACCTGGTCCGCCATCAGGCAATCCATAC
 AGGTTCCCGCCCTTTTCTGCCCTCAGTGCGCCAAGAGCTTCAGCCGCAAGACCATCTGGTGGCGCAC
 CAACGCATCCATGGGACGCGGCCCTCCAGCCCCAGCCTCGAACCTCTCTGCTCCAGCCTGGTCCAATC
 CCTCCGAGGTGGTACCACCTCCAATCTTTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209246 protein sequence
 Red=Cloning site Green=Tags(s)

MRETLEALNSLGFVSGQPEMAPQSEPRDGFSAQEKMSRGESTLHSCSGHETPGQKEGIHTEQAEAPCM
 GSQASTPQKAEPAGSVPGEEWMIRKVKVEDQEAEEVEWPQHLSPFPPTDGLQAVTYKLEPGT
 PGALGGIALSGWAPIPEKPYGCEECERRFRDQLTRLHQRLHRGEGPCACPDGSRFTQRAHMLLHQRSH
 RGERPFCSECDKRFSSKAHLTRHLRHTGERPYPCAECGRFSQKIHLGSHQKHTGERPFPCTEKEK
 FRKKTHLIRHQRIHTGERPYQCTQCTRSFTHKQHLVRHQVRHDAASRTRSSPDIPVAPHSPTASLTPSP
 GPKPFACSHCGQSFGWKKNLATHQSLHLEGRPFGCDECALGTNVDPAEPSACTPHAPDCGPGSGPAAP
 QRTTSSERSFFCPDCGRGFAHQHLARHRRVHTGERPFAQAQCGRRFGSRPNLVAHSRAHSGARPFACAQ
 CGRRFSRKSHLGRHQAVHTGSRPHACAVCARCFSSKTNLVRHQAIHTGSRPFSCPQCAKFSRKTHLVRH
 QRIHGDAALPAPASNLSAPAWSNPSEVPPPIFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001085415

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_001085415.1](#), [NP_001078884.1](#)

RefSeq Size: 3276 bp

RefSeq ORF: 1785 bp

Locus ID: 68910

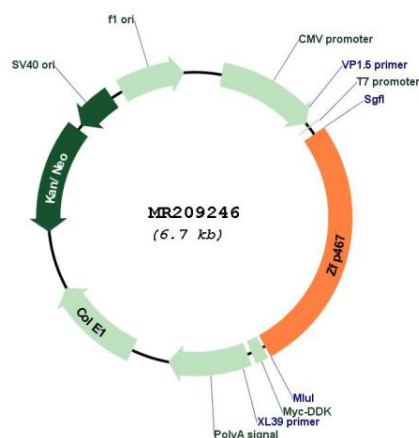
UniProt ID: [Q8JZL0](#)

Cytogenetics: 6 B2.3

MW: 65.6 kDa

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 MR209246