

Product datasheet for **RC208628**

ZNF467 (NM_207336) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF467 (NM_207336) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF467
Synonyms:	EZI; Zfp467
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC208628 ORF sequence, **codon optimized**.
 Due to the complexity of NM_207336, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCGAAACTCTGGAGGCACTTCTCTCTGGGTTTTTCAGTTGGACAGCCTGAAATGGCTCCGCAGT
 CCGAACCCAGAGAGGGCAGTCACAACCGCGCAAGAGCAAATGTCTTCCACGGGAAGAGAGGGCACTGGG
 GGTGTGTAGCGGCATGAGGCGCCTACTCTGAGGAAGGTGCTCACACAGAGCAGGCCGAAGCCCCATGC
 AGGGGCCAGGCATGTAGCGCACAGAAAGCCAGCCCGTGGGCACCTGCCCTGGGGAAGAGTGGATGATCC
 GGAAGGTCAAAGTTGAAGACGAAGACCAGGAGGCCGAGGAGGTCGAGTGGCCTCAACACCTTTCACT
 GCTGCCAGCCCTTTCCCGCCCCGACTTGGGACATCTCGCCGACGATACAACTGGAGCCAGGGGCT
 CCAGGTGCCCTGAGCGGACTGGCCCTGTCTGGTTGGGGCCTATGCCTGAGAAGCCATATGGTTGCGGCG
 AATGTGAAAGAAGATTTTCGCGATCAGCTGACATTGAGGCTGCATCAGCGACTGCATCGAGGCCAAGGTCC
 CTGTGCATGCCCTGACTGCGGCCGAAGCTTTACCCAAAGGGCTCATATGCTCCTGCATCAGCGCTCTCAC
 CGCGGAGAAAGGCCATTTCTTGTTCGAGTGTGATAAACGCTTTTCTAAGAAAGCCATTTGACTAGGC
 ATCTTCGCACTCACACAGGAGAGCGCCCTACCCGTGTGCGGAATGTGCAAGCGCTTTTACAGAAGAT
 CCACTTGGGATCACACCAGAAAACCCATACAGGGGAGCGACCATTCCCCTGCAGTGAAGTGGAAAAAGA
 TTTAGGAAGAAAACCCACCTGATTCGGCACCAACGCATCCACACCGGGGAAAGGCCATACCAAGTGTGCC
 AATGTGCCGCTCCTTACACATAAACAGCACCTCGTCAGGCACAGCGGTGCACAAACAGCCGGCCC
 GGCCAGGCCCTCACAGATTCTAGCGCTTCCCCTCACTCAACAGCTCCAAGCCCAACGCCCTCTTTCCA
 GGGCCCAAGCCCTTCGCCTGTAGTGATTGTGGACTGTCATTTCGGCTGGAAGAAGAACCCTGGCAACCCATC
 AGTGTCTGCACAGATCAGAAGGGAGGCCTTTTGGATGCGATGAGTGCCTCTGGGTGCTACTGTCGATGC
 TCCTGCAGCCAAACCTCTGGCTTCTGCTCCTGGAGTCTGGCTGTGGTCCCGGCTGATCCTGTGGTT
 CCTCAACGGGCTCCTTCAGGAGAACGGTCTTTTTTTGCCAGATTGTGGCGAGGGTTTTCTCACGGC
 AACATCTCGCACGACATCTAGAGTGCATACTGGTGAAGACCATTTCGCTTGACCCAATGCGACCGACG
 CTTTGGATCCCGACCTAACTTGGTGCAGCACAGAGCCCACTCCGGCGCTAGGCCCTTTGCATGCGCT
 CAGTGTGGGAGGCGGTTAGCCGCAAGTACATCTGGGAAGGCACAGGCCGTGCACACAGGCTCCAGGC
 CTCATGCCTGTGCTGTGTGCAAGATCTTTCAGTAGTAAAACCTGGTGGGACATCAAGCTATTCA
 TACCGGCTCAAGGCCTTTTTCTTGTCTCAGTGCAGTAAGTCTTTAGCCGGAAGACCCACTGGTCAGA
 CACCAGCTCATTATGGAGAGGCCGCTCACGCTGCTCCAGATGCAGCACTCGCCGCCCGCTTGGAGCG
 CCCCGCTGAAGTGGCACCTCCGCCCTTCTTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208628 representing NM_207336
Red=Cloning site Green=Tags(s)

MRETLEALSSSLGFSVGQPEMAPQSEPREGSHNAQEQMSSSREERALGVCSGHEAPTPEEGAHTEQAEAPC
 RGQACSAQKAQPVGTCPEEEMIRKVKVEDEDQAEVEEVEWPQHL SLLPSPFPAPDLGHLAAAYKLEPGA
 PGAL SGLALSGWGPMEKPYGCGECERRFRDQLTLRLHQRLHRGEGPCACPDGCRSFTQRAHMLLHQRSH
 RGERPFPCSECDKRF SKKAHLTRHLRTHTGERPYPCAECGKRF SQKIHLGSHQKTHTGERPFPCTECEKR
 FRKKTHTLIRHQRIHTGERPYQCAQCARSFTHKQHLVRHQRVHQTAGPARSPDSSASPHSTAPSPTPSFP
 GPKPFACSDCGLSFGWKKNLATHQCLHRSEGRPF GDCDECALGATVDAPAAKPLASAPGGPGCGSPDPVV
 PQRAPSGERSFFCPDCGRGFSHGQHLARHPRVHTGERPFACTQCDRRFGSRPNLVAHSRAHSGARPFACA
 QCGRFRSRKSHLGRHQAVHTGSRPHACAVCARFSSKTNLVRHQAIHTGSRPFSCPQCGKFSRKTHTLVR
 HQLIHGEAAHAAPDAALAAPAWSAPPEVAPPLFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_207336

ORF Size: 1785 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_207336.1](#), [NM_207336.2](#), [NP_997219.1](#)

RefSeq Size: 2843 bp

RefSeq ORF: 1788 bp

Locus ID: 168544

UniProt ID: [Q7Z7K2](#)

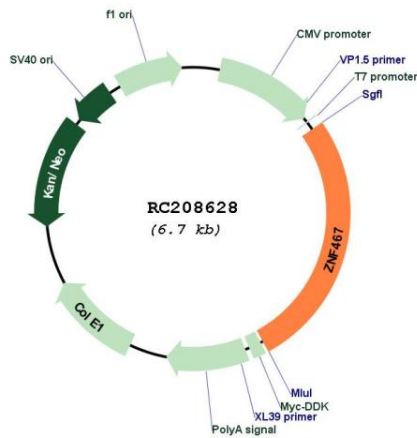
Cytogenetics: 7q36.1

Protein Families: Druggable Genome

MW: 65.1 kDa

Gene Summary: The protein encoded by this gene is a zinc finger protein whose function has not yet been elucidated in humans. However, the mouse ortholog of this protein enhances adipocyte differentiation and suppresses osteoblast differentiation in bone marrow. The mouse protein also is a transcription factor for several genes and can help recruit histone deacetylase complexes. [provided by RefSeq, Aug 2016]

Product images:



Circular map for RC208628