

Product datasheet for **MG208882**

Zfp354c (BC079908) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp354c (BC079908) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp354c
Synonyms:	Tcf17l2, Kid3, AJ18, mKIAA4218
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208882 representing BC079908
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGTGGATTGCTGGCTGCCCGAGGCACAGAGCCTGTGACCTTCAGGGATGTGCCGTGTCCTTCA
 GCCAGGATGAGTGGTTGCACCTGGACCCTGCTCAGAGAAGCCTGTACCGAGAGGTGATGCTGGAGAACTA
 CAGCAACCTGGCCTCGCTGGGGTTTCAGGCTTCAATACCTCCTGTGATTGGCAAGCTGCAAAAAGGGCAA
 GATCCCTGCATGGAAAGAGAAGCCCTGAAGACACCTGCCTAGATTTTCGAGATTTGGCCAGAGATAGAAG
 CATTGCCACCCAAACAAGATGTTCTTACTAAAGAGACATCACATGGGCTGATAAAGAATGGATCCACTAA
 GTGTGTTTACTGGAAAATCAGCTTTGGAGAGCTTGTGAAAAGTGTGAGTCCGAGATATAGCACAGGAGCAA
 GAAAAGAAAGTGCATGGCCAGGGCAGAGTACCCAAGGAAACCACAGTGAAGACGGAACCTCCACGG
 GCTTCGAGCCGGAGAAAACCTTGTTCATTAGTAAAGCACTTGTCTACAAGAGGGTGATCCTACAGAAA
 TGTTCTGCTACGTATCACACTTCAGAGAAAGATTTACCACAGGATTTTGATCTAATGAGAAGCTTTCAA
 ATGTACCCAGGACAAAAACCTCATGTCTGCAAGTGAATGTGGCAAGGGTTTACCCAAAGCCTTCATCTTC
 TAGAGCACAAAGAGGCTTACACTGGGGAGAAGCCGTACAATGCAGCGAGTGTGGGAAGAGCTTCAGCCA
 TAGATCCTCCCTCCTGGCTCACCAGAGAACCACACCCGGAGAGAAGCCGTACAAGTGCAGCGAGTGTGAG
 AAAGCCTTCGGCAGCAGCTCCACTCTCATCAAACCTGAGGGTGCACACCCGGAGAGAAAACCTTACCCT
 GCCGGCAGTGTGGGAAGGCCTTCAGCCAGTGTTCACCCTCACTGTACACCAGAGGATTCACACTGGGGA
 AAAGCTCTATAAATGTCCGAGTGTGACAAGGCCTTTAACTGCAGAGCAAAGCTCCACAGACATCAGAGA
 ATCCACACAGGGGAGAAGCCATATAAATGTGCTGAGTGTGGGAAGGGCTACAGTCAAGTTCCATCCCTAG
 CCGAACCACAGAGACTCCATACTGGCGAGCAGCTTTGCCAGTGTGCAATGTGGGAGAAGCTTTACACG
 TGTGCTACCTTATCGAACACCAGAGAATTCATACTGGACAGAAACCATATCAATGCAACGAATGTGGG
 AAGACTTTCAACCAAGTATTCTCCTTCAATGAACATCGGAAGATTATACCGGGGAGAAAACCTTTACACAT
 GTGAAGAATGTGGGAAAGCCTTTGGCTGTAAATCAAACCTTTATCGGCATCAGAGGATCCATACTGGAGA
 GAAACCTTACAGTGAACCAAGTGTGGAAAGGCCTTCAGCCAGTATTCAATCCTAACTGAACACGAGCGA
 ATCCATACTGGAGAGAAGCTCTACAAGTGTATGGAGTGTGGGAAAGCCTATAGTTACAGGTCAAACCTTT
 GTAGACACAAAAAGTCCACCTAAGGAAAGGCTGTATAAATGGAAGAATATGGGACACCCCTTTATCTA
 TGGCTCATCCCTACTCCATATCAGAAAATTTCTGAAAGGAGACAAGCCTGAGAACTTTAATTCATCGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208882 representing BC079908
 Red=Cloning site Green=Tags(s)

MAVDLLAARGTEPVTFRDVAVSFSQDEWLHLDPAQRSLYREVMLENYSNLASLGFQASIPPVIGLQKQGQ
 DPCMEREAPEDTCLDFEIWPEIEALPPKQDVLTKETSHGLIKNGSTKCVYWKISFGELVKTECRDIAQEQ
 EKKVHGPGAESPKEETSEDGTPTFEPEKPLFISKALVSQEGDPTESVPATYHTSEKDLQPDFLDRSFQ
 MYPGQKPHVCSECGKFTQSLHLLHKLRLHTGEKPYKCEGKSFSHRSSLLAHQRTHTGEKPYKCECE
 KAFGSSSTLIKHLRVHTGEKPYRCRQCGKAFSQCSTLTVHQRIHTGEKLYKCAECDKAFNCRAKLHRHQ
 IHTGEKPYKCAECGKYSQFPSLAHQRLHTGEQLCQCLQCGRTFTRVSTLIEHQRIHTGQKPYQCNECG
 KTFNQYSSFNEHRKIHTGEKLYTCECGKAFGCKSNLYRHQRIHTGEKPYQCNCQKAFSQYSFLTEHER
 IHTGEKLYKMECGKAYSYSNLCRHHKVHLKERLYKWKKEYGTPFIYGSSSLTPYQKFLKGDKPFNFSSSL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC079908

ORF Size: 1682 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: [BC079908](#), [AAH79908](#)

RefSeq Size: 5103 bp

RefSeq ORF: 1682 bp

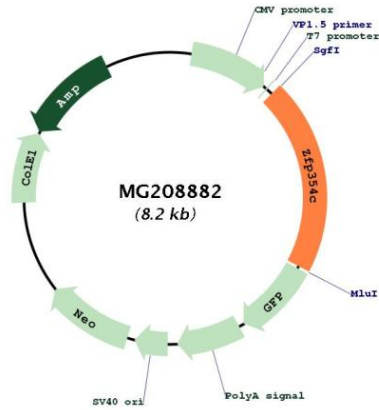
Locus ID: 30944

Cytogenetics: 11 30.93 cM

Gene Summary:

May function as a transcription repressor. Binds to 5'-CCACA-3' core sequence. Suppresses osteogenic effects of RUNX2. May be involved in osteoblastic differentiation (By similarity). Plays a role in postnatal myogenesis, may be involved in the regulation of satellite cells self-renewal (PubMed:27446912).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208882