

Product datasheet for **MR208882**

Zfp354c (NM_013922) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp354c (NM_013922) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp354c
Synonyms:	5330421P20Rik; AJ18; AW743325; Kid3; mKIAA4218; Tcf17l2; Znf354c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR208882 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTGTGGATTGCTGGCTGCCCCAGGCACAGAGCCTGTGACCTTCAGGGATGTGGCCGTGTCCTTCA
 GCCAGGATGAGTGGTTGCACCTGGACCCTGCTCAGAGAAGCCTGTACCGAGAGGTGATGCTGGAGAACTA
 CAGCAACCTGGCCTCGCTGGGGTTTCAGGCTTCAATACCTCCTGTGATTGGCAAGCTGCAAAAAGGGCAA
 GATCCCTGCATGGAAAGAGAAGCCCTGAAGACACCTGCCTAGATTTGAGATTTGGCCAGAGATAGAAG
 CATTGCCACCCAAACAAGATGTTCTTACTAAAGAGACATCACATGGGCTGATAAAGAATGGATCCACTAA
 GTGTGTTTACTGGAAAATCAGCTTTGGAGAGCTTGTGAAAAGTGAAGTCCGAGATATAGCACAGGAGCAA
 GAAAAGAAAGTGCATGGGCCAGGGCAGAGTACCCAAGGAAACCACAGTGAAGACGGAACCTCCACGG
 GCTTCGAGCCGGAGAAACCTTGTTCATTAGTAAAGCACTTGTCTACAAGAGGGTGATCTACAGAAAG
 TGTTCTGCTACGTATCACACTTCAGAGAAAGATTTACCACAGGATTTTGATCTAATGAGAAGCTTTCAA
 ATGTACCCAGGACAAAAACCTCATGTCTGCAAGTGAATGTGGCAAGGGTTTCACCCAAAGCCTTCATCTTC
 TAGAGCACAAAGAGGCTTCACACTGGGGAGAAGCCGTACAAATGCAGCGAGTGTGGGAAGAGCTTCAGCCA
 TAGATCCTCCCTCCTGGCTCACCAGAGAACCACACCGGAGAGAAGCCGTACAAGTGCAGCGAGTGTGAG
 AAAGCCTTCGGCAGCAGCTCCACTCTCATCAACACCTGAGGGTGCACACCGGAGAGAAACCTTACCCT
 GCCGGCAGTGTGGGAAGGCCTTCAGCCAGTGTTCACCCCTCACTGTACCCAGAGGATTCACACTGGGGA
 AAAGCTCTATAAATGTGCCGAGTGTGACAAGGCCTTTAACTGCAGAGCAAAGCTCCACAGACATCAGAGA
 ATCCACACAGGGGAGAAGCCATATAAATGTGCTGAGTGTGGGAAGGGCTACAGTCAGTTTCCATCCCTAG
 CCGAACCACAGAGACTCCATACTGGCAGCAGCTTTGCCAGTGTTCGAATGTGGGAGAACCTTTACACG
 TGTGTCTACCCTTATCGAACACCAGAGAATTCTACTGGACAGAAACCATATCAATGCAACGAATGTGGG
 AAGACTTTCAACAGTATTCTCCTTCAATGAACATCGGAAGATTCTACCGGGAGAACTTTACACAT
 GTGAAGAATGTGGGAAGCCTTTGGCTGTAAATCAAACCTTTATCGGCATCAGAGGATCCATACTGGAGA
 GAAACCTATCAGTGTAAACAGTGTGGAAGGCCTTCAGCCAGTATTCATTCTAACTGAACACGAGCGA
 ATCCATACTGGAGAGAAGCTCTACAAGTGTATGGAGTGTGGGAAGCCTATAGTTACAGGTCAAACCTTT
 GTAGACACAAAAAGTCCACCTTAAGGAAAGGCTGTATAAATGGAAGAATATGGGACACCTTTATCTA
 TGGCTCATCCCTTACTCCATATCAGAAATTTCTGAAAGGAGACAAGCCTGAGAACTTTAATTCATCGCTG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208882 protein sequence
 Red=Cloning site Green=Tags(s)

MAVDLLAARGTEPVTFRDVAVSFSQDEWLHLDPAQQRSLYREVMLENYSNLASLGFQASIPPVIGKLQKGQ
 DPCMEREAPEDTCLDFEIWPEIEALPPKQDVLTKETSHGLIKNGSTKCVYWKISFGELVKTECRDIAQEQ
 EKKVHGPAGAESPKETTSDDGTPTFEPEKPLFISKALVSQEGDPTESVPATYHTSEKDLQDFDLMRSFQ
 MYPGQKPHVCSECGKFTQSLHLLHKLRLHTGEKPYKCEGKSFSSRSLLAHQRTHTGEKPYKCECE
 KAFGSSSTLIKHLRVHTGEKPYRCRQCGKAFSQCSLTIVHQRIHTGEKLYKCAECDKAFNCRAKLHRHQR
 IHTGEKPYKCAECGKGSQFPSLAEHQRLHTGEQLCQCLQCGRTFTRVSTLIEHQRIHTGQKPYQNECG
 KTFNQYSSFNEHRKIHTGEKLYTCEECKAFGCKSNLYRHQRIHTGEKPYQCNQCGKAFSQYSFLTEHER
 IHTGEKLYKMECGKAYSYSNLCRHKVHLKERLYKWKYGTPTFIYGSSLTPYQKFLKGDKPENFNSSL

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_013922

ORF Size: 1680 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_013922.4](#), [NP_038950.3](#)

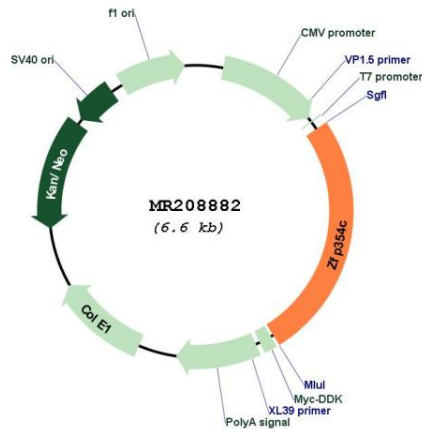
RefSeq Size: 5367 bp

RefSeq ORF: 1683 bp

Locus ID: 30944

UniProt ID:	Q571J5
Cytogenetics:	11 30.93 cM
MW:	64.1 kDa
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 MR208882