

Product datasheet for **SC107188**

ZNF354C (NM_014594) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF354C (NM_014594) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF354C
Synonyms:	KID3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014594, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGTGGATCTGCTGTCTGCTCAGGAGCCTGTGACATTCAGGGATGTGGCCGTGTTCTTCAGCCAGG
ACGAGTGGTTGCACCTGGACTCTGCCAGAGGGCCTTGACCGGAGGTGATGCTGGAGAACTACAGCAG
CCTGGTCTCACTGGGATTCCATTTTCAATGCCAAAGTTGATTTCATCAGTTGCAGCAAGGAGAAGATCCC
TGCATGGTGGAAAGAGAAGTCCCTTCAGATACCGTCTAGGTTTCAAGACTTGGCTTGAACAGAAAGCAT
TGCCATAGACAGGACATTTTTATAGAAGAAACATCTCAGGGAATGGTAAAGAAAGAATCCATTAAAGGA
TGGTCACTGGGACATTAACCTTTGAAGAAGCTGTGGAATTTGAGAGCGAGATAGAAGAAGGACAAGAGAAG
AAACCTCTTAGACAAATGATAGATTGCGATGAGAAAACCATCAGTGAAGATGGAACCATACAAGTCTTG
AATTGGGAAAAGCTTATTTACAATAACAGCTCTTGTCACACAACAGAGTGTTCATAGAAAGGATACC
CAATATGTATTACATTTGGGAAAGATTTTAAACAGAATTTTGATCTCATGAAATGCTTCCAGATTTAC
CCAGGAGGAAAACCTCACATCTGTAATGAATGTGGGAAGAGCTTCAAGCAGAATCTGCATCTTATTGAAC
ATCAGAGAATTCATACAGGTGAGAAAACCTACAAATGTAATGAGTGTGAAAAACCTTCAGCCACAGATC
ATCCCTTCTTTCTCATCAGAGAATTCATACTGGAGAGAAAACCTTACAAGTGAATGAATGTGAGAAGGCA
TTTAGCAACAGTTCAACCCTTATCAAACATCTGAGAGTGCATACTGGAGAGAAAACCGTATCGATGTAGGG
AATGTGGTAAAGCCTTTAGCCAGTGTTCACCCTCACTGTACATCAGAGAATTCATACTGGAGAGAACT
CTATAAATGCGGCGAATGTGAGAAGGCCTTCAACTGTAGAGCAAAACTTCACAGGCATCAAAGAATCCAT
ACAGGTGAGAAAACCTATAAATGTAGTGTGAGTGTGGGAAGGGATACAGCCAGTTTACATCTCTAGCTGAAC
ATCAGAGGTTTCACTACTGGAGAACAACGTATACATGCTTGGAAATGTGGGAGAACCTTACACGTATTGT
AACCTTATCGAATCAGCGAATTCACACTGGACAAAAACCTTATCAGTGAACGAATGTGAGAAAAGCC
TTCAACAGTATTCATCCTTTAATGAACATCGGAAAATTCATACTGGGAAAAAATTTATACATGTGAGG
AATGTGGGAAAGCCTTTGGTTGCAATCTAACCTTTATAGGCATCAGAGAATTCATACTGGAGAGAAACC
GTATCAGTGAATCAGTGTGAAAGGCCTTCAGCCAGTATTCATTTTTAACCGAACATGAGAGGATCCAC
ACTGGAGAGAACTGTATAAATGTATGGAATGTGGGAAAGCCTACAGTTACAGATCAAACCTTTGTAGAC
ACAAAAAGTTTACACGAAAGAGAAACTCTATAAGTGGAAAGGAATATGGGAAACCTTTCATCTGCAGCTC
TCACTTACCCAGTATCAGAGATTTTTTAAAGGAGATAAAGCCTATGAGGTTTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014594 unedited

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TATAGGCAGGCCGCGAATTCGCACGAGGGCGCCGTCCGCGAGCGGCCTGGACTGCCGGAG
ACCCGCGGGAGGGAGCGCCTCGCCAGACCCACCGTGTCCACACTCTGCTCTCCCTGGGCA
GGAAGACTGAGGAGGAAGGGATGGCTGTGGATCTGCTGTCTGCTCAGGAGCCTGTGACAT
TCAGGGATGTGGCCGTGTTCTTCAGCCAGGACGAGTGGTTGCACCTGGACTCTGCCAGA
GGGCCTTGTACCGGGAGGTGATGCTGGAGAATACAGCAGCCTGGTCTCACTGGGATTC
CATTTTCAATGCCAAAGTTGATTCATCAGTCGCAGCAAGGAGAAGATCCCTGCATGGTGG
AAAGAGAAGTCCCTTCAGATACCGTCTAGGTTTCAAGACTTGGCTTGAACAGAAAGCAT
TGCCATAGACAGGACATTTTTATAGAAGAAACATCTCAGGGAATGGTAAAGAAAGAAT
CCATTAAGGATGGTCACTGNGACATTAACCTTTGAAGAAGCTGTGGAATTTGAGAGCGAGA
TAGAAGAAGAGCAAGAGAAGATACCTCTTAGACAAATGATAGATTGCGATGAGAAAACCA
TCAGTGAAGATGGAACCCATACAGTCTTGAATTTGGGAAAAGCTTATTTACAATACAGC
TCTTGTCCACAACAGAGTGGTCTATAGAAGATACCCATATGTATATACATTTGGAAG
ATTTTAAACAGATTTTGTCTCATGAATGCTTCAGATTACCCAGAGAAAACCTNATCTGTA
TGATGTGGGAGAGCTCAACAAATCTGCTCTTATGACATCAAATCTACGGTGAGAACCTA
CAAGTATGAGGTGAAAAACC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014594 unedited ATAGGAATGGCAACTTCCAGNCCAGGNANAGCACTGGGGAGGGTCACAGGGTGCCACCC GGGATCTGTTCAGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTT TTTTTTTTTTTTTTTTGGACTGATTTTGTACATATTTATTTGAAAATATGCTGTCAACAT CATGACTTTTCAAACCTAAAAAAAACCTTCTGCATGCATCTCCTAAGAATTAACAT TATCCTACGTAACCTCAATTATCACTTCTAGAAAAATCAAATATACCACATTATCTACTAC CCATCCATCTTCTATTTCCCAAATATCCCCCAAATGTCTCTTATAGGTTTTTTTTTA TGAATCAGAAGCTAATAAAGGATCACACTTTCCATTTGGTTATGTCTCTTGGCTTAATCT AGCAAAGACCACTTTTTGTTTTACTACATTTGCTTTTTGAAAAGTCCAGACCAGGGCCAA AATGCACAAACTATGGCTTACAACATCACACCCCTGCGTAGGGCCAGTGAATGTGTGCA AAATCAGTTTGGCTTCATTAACATGAAGTAGGGGATAGCAAGAAGCTTTTTTCCATAT GAAAGAAGTTGAGGATGGCCTTGAGCTCCAGGCAGGAGATGAGGTGGAGTTCTCCGTGAT TCTTCATACCCGCACTGGCAAGTGCCGTGCTGGAATGTTTGGCGAGTCTGTGAGGGCCC CAAAGCTGTTGCAGCTCCTCCACCTGGTTCGGGTGGTCAAACCTCTAAAAAAAACACC CCGGGTGAAGGCCGGGATCCCCCGCTAAGGGCTCTTTCGCCCCCCCCAGGGGCCCCG ATAAACTTAAAGGGGTTTGGGGCCCCAAAAAAAACATCCCCGCAAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_014594
Insert Size:	5000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	<u>NM_014594.1</u> , <u>NP_055409.1</u>
RefSeq Size:	2390 bp
RefSeq ORF:	1665 bp
Locus ID:	30832
UniProt ID:	<u>Q86Y25</u>
Cytogenetics:	5q35.3

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 (By similarity).[UniProtKB/Swiss-Prot Function]