

Product datasheet for **SC106091**

ZNF394 (NM_032164) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF394 (NM_032164) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF394
Synonyms:	ZKSCAN14; ZSCAN46
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032164, the custom clone sequence may differ by one or more nucleotides

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ATGAATCCAGCTTGACCGCCAGAGGCGCGGAGTGACGCCGAGTTGGGACCCGTTGGTGTATGGCTGCGA
GGTCCAAGGACGCGGCGCCGTCCCAACGCGACGGACTTTTGCCCGTGAAAGTGGAGGAAGACTCACCCGG
AAGTTGGGAGCCCAACTATCCCGCGCTTCGCCGACCCGAAACTTCTCGACTGCACTTTAGGCAGCTG
CGTTACCAGGAGGTGGCTGGACCGAAGAGGCGCTGAGCCGGCTCCGAGAAGTCTGTCTGCGGTGGCTGA
GACCCGAGCTGCTCTCCAAGGAGCAGATCCTGGAGCTGCTGGTGTGGAGCAGTTCCTCACCATCCTGCC
CGAGGAGCTTCAAGCCTGGGTGCGAGAGCACTGCCAGAGAGCGGGGAGGAGGCGGTGGCCGTGGTGGCG
GCTCTGCAGCGAGCGCTCGATGGAACCTCATCCCAGGGGATGGTACTTTTCGAGGACACGGCTGTGTCTC
TAACCTGGGAGGAGTGGGAGCGCTGGACCCAGCACGGAGGGACTTTCGAGAGAGAGTGCAGAGAAAGGA
TTCCGGGAGCACAGTTCGCGGAGTTTGGAAAGCAGAGTGGAGAACAAGAGTTGATTCCAATGCAACAA
ATTTTAGAAGAAGCGGAGCCACAGGGGCAACTACAAGAAGCGTTCCAGGGGAAGCGCCCCCTGTTTTCTA
AGTGTGGCAGTACCCATGAGGACAGGGTGGAAAAGCAGTCCGGAGACCCCTTGCCCTGAAACTGAAAA
TTCTCCTGAAGCAGAAGGACTCAACAGCATCTCAGATGTCAATAAGAATGGTTCCATAGAAGGGGAAGAC
TCTAAAAATAATGAATTGCAACAAGTCCAGGTGTTCCAACCTTGTCTATGTCAGCACATCCCGAAAAG
CAGAGAGGCCCACTGACAGTGGGAACACGGGAACAAGTCAAGCAAAGTTTCCACATGGTACGTTGGCA
CGTGTGAAACCTCACAAGTCTGACAGTGGAGACAGTTTCCATCATTCCAGCCTTTTTGAGACCCAGAGG
CAGCTCCATGAAGAAAGACCTTATAAATGTGGTAACTGTGGGAAGAGTTTCAAACAACGCTCTGACCTCT
TTAGACACCAGAGAATCCACACAGGTGAGAAAACCTATGGCTGCCAAGAATGTGGGAAAAGCTTCAGCCA
GAGTGTGCCCTGACCAAGCACCAGAGGACACACAGGCGAGAAGCCGTACACCTGTCTGAAATGTGGG
GAGCGCTTCAGGCAGAATTCACACCTAAATCGTCATCAAAGTACCCACAGTAGAGACAAAACATTTTAAAT
GTGAGGAATGCGGGGAAACCTGTCTATTTCCAACCTTTTTAGACATCAGAGACTACATAAAGGGGAAAG
ACCTATAAGTGTGAAGAATGCGAGAAGAGCTTCAAACAGCGCTCTGACCTCTTAAACACCACAGAATC
CACACTGGGAGAAAGCCCTATGGATGTTCCGTCTGTGGGAAACGCTTCAATCAGAGTGAACCCCTATTA
AACACCAGAGAATTCACACTGGGAAAAGCCTTACAAATGTCTTGAATGTGGGAAAAGATTTAGACAAAAG
TACACACCTTATCCGACACCAAAGAATTCATAAAATAAAGTGTGTGCGCTGGGCGTGGTGGCTCACGC
CTATAA
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_032164 unedited
GGATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTTGTTTGAC
CGAGAGAGTTGTAGGCGCAAAGCTGAGGAAAGGAGAGTGTGGAGAGGGGCCTGGTGTGGT
GGGGCCCGGTGTTTGGGACCGGAGGGTGTGACGGCTGATGAGTTCCTTGGGTTTGCTCT
TTCTTACCTGAAAAGAAGACTCCAGGAAGGGCAGCACATGCCGAGAAAAGATGAATTCC
AGCTTGACCGCCAGAGGCGCGCAGTACGCGGAGTTGGGACCCGTTGGTGTGGTGTGGC
AGGTCCAAGGACGCGGCCGTCCCAACGCGACGGACTTTTGCCCGTGAAAGTGGAGGAA
GACTCACCCGGAAGTTGGGAGCCCAACTATCCCGCGGCTTCGCCGACCCCGAAACTTCT
CGACTGCACTTTAGGCAGCTGCGTTACCAGGAGGTGGCTGGACCGGAAGAGGCGCTGAGC
CGGCTCCGAGAACTCTGTCTGCGTGGTGGTGGAGACCCGAGCTGCTCTCAAGGAGCAGATC
CTGGAGCTGTGGTGTGGAGCAGTTTCTCACCATCCTGCCCGAGGAGCTTCAAGCCTGG
GTGCGAGAGCACTGCCAGAGAGCGNGAGGAGGCGGTGGCCGTGGTGGGGCTCTGCAG
CGAGCGCTCGATGGAACCTCATCCAGGGGATGGTACTTTCGAGGACACGGCTGTGTCT
CTAACCTGNGAGGAGTGGGAGCGCTGGACCCAGCACGGAGGGACTTCTGCAGAGAGAGT
GCGCAGAAGGATTCGGNAGCACAGTTCGCCCGGAGTTTGGAAAGCAGAGTGGAGAACAN
AGAGTTGATTCCAATGCACANATTNTAGAAGAAGCGGAGCCACAGGGGGCACTACAAGA
AAGCGTCCAGGGAAGCGCCNCTGTTTNTAGTGTGGCAGTACCATGAGGACAGGNTGGA
AAGCAGTNCGGAGACCCCTGCCCTGAACCTGA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032164 unedited GGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTATCAAAATGACAGCACTTTATT TCTTTTTTGAGATGGAGTCTCGCTCTGTTGCCAGGCTGGAGTGCAGTGGCATGATCTCA GCTCACTGCAACTCCGCTCCTGGGTTCAAGTGATTCTCCTACCTCAGCCTCCCGAATA GCTGGGCTTACAGGCATGCACCACCATGCCCGGCTCATTTTTGTATTTTAGTACAGACA GGATTTTACCATGTTGGTCAGGCTGGCTCGAAACTCCTGATCTCAAATGATCTGCCTGCC TTGGCCTACCAAAGTCTGGGATTATAGGCGTGAGCCACTACGCCAGCCGACAGAATT TATTTTGATGAATTCTTTGGTGACCGATAAGGTGTGCACTTTGCCTAAATCTTTCCACA TCTCAGACATCCGCCAGGCTCCCCACCACCGCAATACTCCGGGCCCAATGACGCCCTA ACCCTCTGATGAACCCCCCCCCATACCGCCATTCTAGGCCCCCCCCCCCTGCGGTCC CTCGGGTGATAAGCAGCCCCACCGCTGCCTAAGCCCCTCCCTCCTCCTATCCG GTCCCTCCCTTCCGTTTCCCTTCTCGTCACAAAGTTCCAACATCTCGGTCCCTCCCGTC CCTCTACTCCATACCCCCCTCCACTGGCGCACCTCAACATACCCCCGCGCTCCATCC CCTTCTCCACCCCTTTTCCACGTTTCTCTCCCAACCTTCCGTATCCACCTTC TCGGATTTCCCCGCTCCTCCCTTTTTTCTTATGCAATACCCCGCCCCATCCGTCCGCC ACATTTGGCTTTAAAGGTTACCTTCTCCCACTTCTCTCCACCACCCCTTAACGCTCT CTTCACGACATCTCTGGCTCCCAAGCGTTATTCTACCCCTCTCCCATCCCATTGGTC CCTCCCATCTTCCCTCTCCCTTCCCTCCCCCACGCTTC
Restriction Sites:	NotI-NotI
ACCN:	NM_032164
Insert Size:	2260 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:	NM_032164.2 , NP_115540.2
RefSeq Size:	2259 bp
RefSeq ORF:	1686 bp
Locus ID:	84124
UniProt ID:	Q53GI3
Cytogenetics:	7q22.1
Domains:	KRAB, LER, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene is a zinc finger protein that inhibits the transcription of mitogen-activated protein kinase signaling pathways. The encoded protein may be involved in cardiac function. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).