

## Product datasheet for **SC105433**

### ZFP90 (AK074332) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP90 (AK074332) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFP90
Synonyms:	FIK; NK10; zfp-90; ZNF756
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK074332, the custom clone sequence may differ by one or more nucleotides

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AGTTCTGCCCCACCGCTGCGGCCATTGTCCGACCCCGGTGCGGCTGAGGCCCTTTGGGCAGCCCTCCG
CAGATCAGAATTGGAGACAACCGAGCCTTCGGCGGGGGCGGGAGGAGCTGCCCGAGGCTCTGGTGGGCC
GGAGGTCGCGAAATCCGGAGCCCCCAGAGGCGGTGATTCTGACTCCTGCCCGGAGCCGGCCCTGGCG
AGGCAGGAATGGCCCCGAGGCCTCCGACCGCCGCCCCAGGAATCAGTGACATCAAAGATGTGTCTGT
GGACTTACCCAGGAAGAATGGTACCATGTGACCCCTGCTCAGAGGAGCTTATACAGGGATGTGATGCTG
GAGAACTATAGCCACCTGGTTTCTTTGAGTTCCTGAGGATCAAGGACTAGTACTGACTTGTCTTAGGA
GGTTCTTTGTCCACTTGCACAAACAACCAAATCTTGTGATTTACCCATGAGCAGGATATCAAGTTTCC
AAGCCAGAGGTGATCTTCAAATGGAGCAAGGAGAAGAGCCATGGATATCAGAGGGAGAAATCCAACGAC
CTTTCTATCCAGACTGGAAGACCAGGCCTGAAGTCAAATCATCATTGTCAGCAGGATGTATCAGAAGT
ATCCCCTGCACACATGATCTCTTACATGCTACATTAGAAGACTCCTGGGATGTTAGCAGCCAGTTAGAC
AGGCAACAGGAAAACCTGGAAGAGACATCTGGGATCAGAGGCATCCACCCAGAAGAAAATAATTACACCAC
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CATTCTGCAAGAATAAGGCCTAGTGAATGTGAGACCCCTGGAAGCAATTTGGGACATAATGCAGACTTA
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CTTACTGAGCATCAGAGAATTCACACTGGGAGAAACCCCTTGAATGCAATGTATGTGAAAGGCCTTCA
GGCATAGCTCATCTTTGGTCAGCATGAGAATGCTCATACCGGAGAGAAACCCCTATCAGTGTAGTCTCTG
TGGGAAAGCCTTCCAGCGCAGCTCCTCCCTTGTCAACACCAGCGAATTCACACTGGAGAGAAAACCCCTAT
CGATGTAATCTATGTGGGAGTCTTTAGGCATGGCACATCCCTCACTCAACACGAGGTACACACAGTG
GAGAGAAGCCCTTCCAGTGAAGGAATGTGGGAAAGCCTTTAGTCGATGTTCTTCCCTTGTCCAACATGA
GAGGACTCATACTGGAGAGAAAACCTTTGAATGTAGCATATGTGGGAGGGCTTTTGGTCAGAGCCATCC
CTTTATAACATATGAGGATTCATAAGAGAGGCAACCTTACCAAGCAGTAACTACAGCATAGATTTC
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AGCACAGCACATCTCTCACTCAAGATGAAAGCACTCTTACCGAAGTAAAATCCTACCATTGTAATGACTG
TGGGGAAGACTTTAGTCACATTACAGACTTTACTGACCATCAGAGGATCCATACTGCAGAGAACCCCTAT
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GTGGGAAAGCTTTCAAAGGAGTACAAGTTTCATAGAGCATCACAGAATTCATACTGGAGAGAAAACCCCTA
TGAATGTAATGAGCGTGGAGAAGCCTTTAGTCGACGCTCATCGTTACTCAACATGAGAGAACCCACACT
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AGAGACTCATACTGGAGAGAAGCCCTATGAATGTAATGAATGTGGGAGAGCCCTCCGAAAAAACCAAG
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TTTTAACATAAAGACACATTCTCAGATCTGATTACAGACTAGTGTAAAAACAGCTACATGTATGTAGCTG
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TAAAAATAATTTAAGATGTATCAGATACACAAACATTTAATGGGCACCTATGGGTTGGACACTTTGAG
AATTTCTAAAAGTATAAGTGGGAGCAAAATGTATGCAATTTATCACAACTATTTAAAGCAACTCTTG
GAGGCTTACAACCACAATTTAACAGAACTGTAGATGGTTGAACTACTAGTGACTTTTTTTCCCTTTT
CCCAGTTACAATTATACTTTAGCTAACATATGCCAGTTTACAGAACTATTAAGTCCCTTATTGTACT
TTTTATGGCATGCCATGAAAAAGCACTTTCTTAAGCCTACAGTATCAGATCAATGGGAAAAACAACAGAA
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AAAAAATAAATTGGCTAGGTATGGTGTCTCACACCTGTAATCCCAGCACTTTGGGTGGCTAAGGCAGAT
AGACTGCTTGAACCCAGGAGTTCAAGACCAGCCTGGACAACATGGTAAACCCCTCTCTTAAAAA
AAAAAA
    
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**5' Read Nucleotide Sequence:**

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>OriGene 5' read for AK074332 unedited
NCGTTCCATTTGTATACGACTCACTATAGGGCGCCGCGAATTCGCACGAGGCCGCTGC
GGCCATTGTCCGACCCCGGTGCGGCTGAGGCCCTTTGGGAGCCCTCCGCAGATCAGA
ATTGGAGACAACCGAGCCTTCGGCGGGGCGGGAGGAGCTGCCGAGGCTCTGGGTGGG
CGGAGGTCACGAAATCCGGAGCCCCCAGAGGCGGTGATTCTGAGTGCAGGGTCTGGG
GGGACCCCTCTGGGTTTGGCGGTGTCAGCCGGGCTCGCCACCACCTGCGAAGGG
ACTGGGCGTGGCCGGAGGGGGTGTCCGGGAGGCCGCTGAGCCTTTCATTTGGGGATGG
GGAGCGGAGGCCCGGGCTGGTCCACGGTCTCGCCACCATCTCCCTGGAGATGTGGT
TTAGGGGCGGAGGTGGGCGGGGCGGGGCGGGGTGGGTCGGTGTGCAGCGGGGTGAGT
GGGCCCTGTCTTTCTCCCCAGCTCCTGCCCGGAGCCGGGCCCTGGCGAGGCAGGAATG
GCCCCGAGGCCTCCGACCGCCGCGCCCCANGAATCAGTGACATTCAAAGATGTGTCTGTG
GACTTACCCAGGAAGAAATGGTACCATGTGACCCCTGCTCAGAGGAGCTTATACAGGGAT
GTGATGCTGGAGGACTATAGCCACCTNGTTTTCTTTGGGTATCAAGTTTTCCAGCCAGA
GGTGATCTTCAAATTTGGAGCCAGGAGAAGGCCCTGGGTATCAGAAGGAGAAATCCAACG
GACTTTCTATCCCACTGGAAGACCAGGCTGAAGTCAAATTTCTACATTTTGCCTGGG
TTGTTTCAGAATTTCCCACTGGCAACCTGAATCTCCTAATGCTACATTTAGAAGAAT
CGGGGATGTAAA
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for AK074332 unedited TGTACCGTCGGCGCAATCNANATTCGGTTATATATTCTTTTTTTTTTAAAAAGAGGGGGT TACCATGTTGTCCATGCTGGGCTTGCACTCCTGGGTTCAAGCAGTCTATCTGCCTTAGCC ACCCAAAGTGCTGGGATTACAGGTGTGAGACACCATACCTAGCCAAGTTAATTTTTTTAA TGGTGAATCTTTCTTTGCACATAAAATGATCTTTGCATGTTGCTTCTTTGTGTGGGG ACAAAAATTTATGGCAATGGCAATTAGACTTATACTTTTCTGCAAGAAAATTAACGGGAA AATTCCTCTTAGTTTTCTGTTGTTTTCCATTGATCTGATACTGTAGGCTTAAGAAAG TGCTTTTTCATGGGCATGCCATAAAAAGTACAATAAGGGGACTTAATAGTTCTGTGAAAC TGGCATATGTTAGCTGAAAGTATAAATTGTAAGTGGGAAAAGGGGAAAAAGTCACTAGTA GTTCAACCATCTACAGTTTCTGTTAAATGTGGTTTGTAAAGCCTCCAAGAAGTTGCTTTA AATAGTTTGTGATAAATTTGCATACATTTTCTCCACTTATACTTTTAAGAATTCTCAA AGTGTCCAACCCATAGGTGCCATTAATGTTTGTGTATCTTGATACATCTTAAATTTA TTTTAAAGCCCTCTGAGTCCAAAAAAACCTTTTACTTTCAAAGGCCATGGGGCCCCAA ATCCAGGAAAACCTGCATTTTTAAACCCAGCTTTTCCCCTTTTAGGCTGTACTACTGT GTGAAACCACTTCACATCTTTGGGCTTTAAGTCTTCATCTGTACAATGGAATGTTGGG CTAATTGATCTAATTTTTGAATGGGGATTCTGGATTTGGACCGGTTTCCCTGTGAAAT TATGTA AAAACCGCGTATGCATTGCAACCATTTTAAAAGGGTTTGGACTACGGAGAAAT TGGTTTAAAAAATT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK074332
<b>Insert Size:</b>	4000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">AK074332.1</a>
<b>RefSeq Size:</b>	3507 bp
<b>RefSeq ORF:</b>	3507 bp
<b>Locus ID:</b>	146198
<b>Cytogenetics:</b>	16q22.1
<b>Domains:</b>	zf-C2H2

**Gene Summary:**

This gene encodes a member of the zinc finger protein family that modulates gene expression. The encoded protein derepresses the transcription of certain fetal cardiac genes and may contribute to the genetic reprogramming that occurs during the development of heart failure. Genome wide association studies have identified this gene among ulcerative colitis risk loci. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Mar 2015]