

Product datasheet for **SC318088**

ZFP90 (NM_133458) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP90 (NM_133458) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFP90
Synonyms:	FIK; NK10; zfp-90; ZNF756
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC318088 sequence for NM_133458 edited (data generated by NextGen Sequencing)

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ATGGCCCCGAGGCTCCGACCGCCGCCCCAGGAATCAGTGACATTCAAAGATGTGTCTGTGGACTTCA
CCCAGGAAGAATGGTACCATGTCGACCCGCTCAGAGGAGCTTACAGGGATGTGATGCTGGAGAATA
TAGCCACCTGGTTTCTCTTGGATATCAAGTTTCCAAGCCAGAGGTGATCTCAAATTTGGAGCAAGGAGAA
GAGCCATGGATATCAGAGGGAGAAAATCCAACGACCTTTCTATCCAGACTGGAAGACCAGGCTGAAGTCA
AATCATCACATTTGCAGCAGGATGTATCAGAAGTATCCCACTGCACACATGATCTTTACATGCTACATT
AGAAGACTCCTGGGATGTTAGCAGCCAGTTAGACAGGCAACAGGAAAACCTGGAAGAGACATCTGGGATCA
GAGGCATCCACCCAGAAGAAAATAATTACACCACAAGAAAATTTTGGGAAAATAAATTTGGTAAAATT
CTAGATTGAACACCAATTTGGTTACACAACCTGAACATTCCTGCAAGAATAAGGCCTAGTGAATGTGAGAC
CCTTGGAAACAATTTGGGACATAATGCAGACTTACTTAATGAGAATAATATTCTTGCAAAAAAGAAACCC
TATAAGTGTGATAAATGTAGAAAAGCCTTTATTATAGATCATCGCTTACTAAACATGAGAAAACACATA
AAGGAGAGGGAGCTTTCCCTAATGGAACAGATCAAGGAATTTATCCTGGAAAGAAACACCATGAATGTAC
CGACTGTGGGAAAACCTTTCTCTGGAAGACACAGCTTACTGAGCATCAGAGAATTCACACTGGGGAGAAA
CCCTTTGAATGCAATGTATGTGGAAAGGCCTTCAGGCATAGCTCATCTCTTGGTCAAGCATGAGAATGCTC
ATACCGGAGAGAAAACCTATCAGTGTAGTCTCTGTGGGAAAGCCTTCAGCGCAGCTCCTCCCTTGTTC
ACACCAGCGAATTCACACTGGAGAGAAAACCTATCGATGTAATCTATGTGGGAGGTCCTTTAGGCATGGC
ACATCCCTCACTCAACACGAGGTCACACACAGTGGAGAGAAGCCCTTCCAGTGTAAAGAAATGTGGGAAAG
CCTTTAGTCGATGTTCTCCCTTGTCACATGAGAGGACTCATACTGGAGAGAAAACCTTTTGAATGTAG
CATATGTGGGAGGGCTTTTGGTCAGAGCCCATCCCTTTATAAACATATGAGGATTCATAAGAGAGGCAAA
CCTTACCAAAGCAGTAACACTACAGCATAGATTTCAAGCACAGCACATCTCTCACTCAGGATGAAAGCACTC
TTACCGAAGTGAATCCTACCATTGTAATGACTGTGGGGAAGACTTTAGTACATTACAGACTTTACTGA
CCATCAGAGGATCCATACTGCAGAGAACCCTATGATTGTGAGCAGGCTTTTAGTCAGCAAGCTATTTCT
CATCCTGGAGAGAAAACCTATCAATGTAATGTATGTGGGAAAGCCTTTCAAAGGAGTACAAGTTTCATAG
AGCATCACAGAATTCATACTGGAGAGAAAACCTATGAATGTAATGAGTGTGGAGAAGCCTTTAGTCGACG
CTCATCGCTTACTCAACATGAGAGAACCACACTGGAGAGAAAACCTATGAATGTATTGACTGTGGGAAA
GCCTTTAGTCAAAGTTCATCTCTCATTGAGCATGAGAGAACTCATACTGGAGAGAAGCCCTATGAATGTA
ATGAATGTGGGAGAGCCTTCCGAAAAAAAACCAACCTGCATGATCATCAGAGAATTCATACTGGAGAAAA
ACCCTATTCTTGAAGGAATGTGGGAAAACCTCAGCCGAAGTTCAGCTTACTAAACACCAGAGAATT
CATACTCGAAATAAACTAG
    
```

Clone variation with respect to NM_133458.3
1317:g=>a

- Restriction Sites:** Please inquire
- ACCN:** NM_133458
- Insert Size:** 3300 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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: [NM_133458.2](#), [NP_597715.2](#)

RefSeq Size: 4655 bp

RefSeq ORF: 1911 bp

Locus ID: 146198

UniProt ID: [Q8TF47](#)

Cytogenetics: 16q22.1

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]
Transcript Variant: This variant (1) encodes the longest protein. Both variants 1 and 2 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.