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Product datasheet for SC118017

ZFY (NM_003411) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFY (NM_003411) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFY
Synonyms:	ZNF911
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF: >NCBI ORF sequence for NM_003411, the custom clone sequence may differ by one or more nucleotides

ATGGATGAAGATGAATTTGAATTGCAGCCACAAGAGCCAAACTCATTTTTTGATGGAATAGGAGCTGATG
CTACACACATGGATGGTGATCAGATTGTTGTGGAAATACAAGAAGCAGTTTTTGTTTCTAATATTGTGGA
TTCTGACATAACTGTGCATAACTTTGTTCCTGATGACCCAGACTCAGTTGTAATCCAAGATGTTGTTGAA
GATGTTGTCATAGAGGAGGATGTTCAGTGCTCAGATATCTTAGAAGAGGCAGATGTATCTGAAAATGTCA
TCATTCCTGAGCAAGTGCTGGACTCAGATGTAACTGAAGAAGTTTCTTTACCACACTGCACAGTCCCAGA
TGATGTTTTAGCTTCTGACATTACTTCAACCTCAATGTCTATGCCAGAACATGTTTTAACGAGTGAATCC
ATGCATGTGTGTGACATTGGACATGTTGAACATATGGTGCATGATAGTGTAGTGGAAGCAGAAATCATTA
CTGATCCTCTGACGAGTGACATAGTTTCAGAAGAAGTATTGGTAGCAGACTGTGCCCCTGAAGCAGTCAT
AGATGCCAGCGGGATCTCAGTGGACCAGCAAGATAATGACAAAGCCAGCTGTGAGGACTACCTAATGATT
TCGTTGGATGATGCTGGCAAAATAGAACATGATGGTTCCACTGGAGTGACCATCGATGCAGAATCAGAAA
TGGATCCTTGTAAAGTGGATAGCACTTGTCCTGAAGTCATCAAGGTGTACATTTTTAAAGCTGACCCTGG
AGAAGATGACTTAGGTGGAACTGTAGACATTGTGGAGAGTGAACCTGAAAATGATCATGGAGTTGAACTA
CTTGATCAGAACAGCAGTATTCGTGTTCCCAGGGAAAAGATGGTTTATATGACTGTCAATGACTCTCAAC
AAGAAGATGAAGATTTAAATGTTGCTGAAATTGCTGATGAAGTTTATATGGAAGTGATCGTAGGAGAGGA
GGATGCTGCTGTTGCAGCAGCAGCAGCTGCTGTGCATGAGCAGCAAATTGATGAGGATGAAATGAAAACC
TTCGTACCAATTGCATGGGCAGCAGCTTATGGTAATAATTCTGATGGAATTGAAAACCGGAATGGCACTG
CAAGTGCCCTCTTGCACATAGATGAGTCTGCTGGCCTTGGCAGACTGGCTAAACAGAAACCAAAGAAAAA
GAGAAGACCTGATTCCAGGCAGTACCAAACAGCAATAATTATTGGCCCTGATGGTCATCCTTTGACTGTC
TATCCTTGCATGATTTGTGGGAAGAAGTTTAAGTCGAGGGGTTTTTTGAAAAGACACATGAAAAACCATC
CTGAACACCTTGCCAAGAAGAAGTACCACTGTACTGACTGTGATTACACTACCAATAAGAAGATAAGTTT
ACATAACCACCTGGAGAGCCACAAGCTGACCAGCAAGGCAGAGAAGGCCATTGAATGTGATGAGTGTGGG
AAGCATTTTTCTCATGCAGGGGCTTTGTTTACTCACAAAATGGTGCATAAGGAAAAAGGGGCCAACAAAA
TGCACAAGTGTAAATTCTGTGAATATGAGACAGCTGAACAGGGGTTATTGAATCGCCACCTCTTGGCAGT
CCACAGCAAGAACTTTCCTCATATTTGTGTGGAGTGTGGTAAAGGTTTCCGACACCCGTCGGAACTGAGA
AAGCACATGCGAATCCATACCGGCGAGAAGCCATACCAATGCCAGTACTGTGAATATAGGTCTGCAGACT
CTTCTAACTTGAAAACACATATAAAAACAAAGCATAGTAAAGAGATGCCATTCAAGTGTGACATTTGTCT
TCTGACTTTCTCAGATACCAAAGAAGTGCAGCAACATACTCTTGTCCACCAAGAAAGCAAAACACATCAG
TGTTTGCATTGCGACCACAAGAGTTCAAACTCAAGTGATTTGAAACGACATGTAATTTCAGTTCATACGA
AAGACTATCCTCATAAGTGTGAGATGTGCGAGAAAGGCTTTCACAGGCCTTCAGAACTTAAGAAACATGT
GGCTGTCCACAAAGGTAAAAAAATGCACCAATGTAGACATTGTGACTTTAAGATTGCAGACCCATTTGTT
CTAAGTCGCCATATTCTCTCAGTTCACACAAAGGATCTTCCATTTAGGTGTAAGAGATGTAGAAAGGGAT
TTAGGCAACAAAATGAGCTTAAAAAGCATATGAAGACACACAGTGGCAGGAAAGTATATCAGTGTGAGTA
CTGTGAGTATAGCACTACAGATGCCTCAGGCTTTAAACGGCACGTTATTTCCATTCATACAAAAGACTAT
CCTCATCGGTGTGAGTACTGCAAGAAAGGCTTCCGAAGACCTTCAGAAAAGAACCAGCACATAATGAGAC
ACCATAAAGAAGTTGGTCTGCCCTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003411 unedited
CCCCAGGCTGGTCTCGAACTCCTGGGCTCAAGCCGTTCTCCCGCCTCCCACTGCCCGCCT
GTCACTGCCGTCTGTTCCCTGAGCTGTGCTTTACGCTGGGAAAGACATAGAAGAACTATT
AAGAAGATAGAATTGTTTTGCTGCGCAGTACAGCAACAGTGGATGTTCAAGATTAAGATT
AGAGTCAAGTTGTGTGATTAAGACAGGAGCTGTGACTGATGAGAATTAAAGGCCATGGAT
GAAGATGGGCTTGAATTACAACAAGAGCCAAACTCATTTTTTGATGCAACAGGAGCTGAT
GGTACACACATGGATGGTGATCAAATTGTTGTGGAAGTACAAGAAACTGTTTTTGTTTCA
GATGTTGTGGATTCAGACATAACTGTGCATAACTTTGTTCCTGATGACCCAGATTCAGTT
GTAATCCAAGATGTTATTGAGGACGTTGTTATAGAAGATGTTCAGTGCCCAGATATCATG
GAAGAAGCAGATGTGTCTGAAACGGTCATCATTCCTGAGCAAGTGCTGGACTCAGATGTA
ACTGAAGAAAGTTTCTTTAGCACATTGCACAGTCCCAGATGATGTTNTAGCTTCTGACAT
TACTTCAGGCCTCATGTCTATTGCCAGAACACGTCCTTGACGGGTGATTCTATACATGTG
TCTGACGTTTGACATGTTGGACATGTTGCACATGTTGAACATGTGCTTCATGATAGTGTA
NGGGAACAGAAATGTCACTGATCCTCTGACTACCGACTAGTTTCAAAAAAGTTTTGTAGC
AGATGTGCTTTGAGCAGTCTAAATGCCATGGATCCTTTGGACCNCAGGTGATGACAAGCA
CTGGTAGACTCCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003411 unedited
TCTGGAACCGCGGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTAAAATCAGGGATTACTTTATTAAAAGTAACTAGCATGTTGCCAGTTTTCCCTA
TTTATTAAACAAACTGAATAGAATTCAGAACACACTACTGGGCAAAATGTATATTTAAAA
AAAAGTCAACTAGAAGTAATAATTCTATTTGTACCCAGCATAAATCAATATACAGTATTG
TATGGGAATGAAACTGATTGGCTTTAAAATGAATTTTCTGCTTCAAGGCCAATATCTTTA
CAAACGTTCTGTAAAAGTATTGTTAGGGCAGGCCAACTTTTTTATGATGGCGCATTATGG
GCTGGTTCTTTTCTGAAGGGCTTCGGAAGCCTTTCTTGCAGTACCCACACCGGCGAGGAT
AGTCTTTCGGGTGAAGGGAAATAACGTGCCGCTTAAAGCCTGAGGCCCCCGCAGTGCTTT
TCTCACCAGCCTCCCCCCGGTACCCTTCCCCGCCCCTGGGCGCCTTCATAGCCTTCCACC
GCCCCTCCGTGCCCACCCCCCTTTTCTATCTTTTTGGTCCTCCAGGGCGCACCCTTGGCC
GCACCTGCCACAACTGCGCCCTCCAACCCCCTGGGCCCTTATCCCTACCCCAACACGTCC
ACCTCCGTGCTTTCTTCGCCCTTATGCGCCATCACTCCCCCCTATTTCTCAATCGCTCCG
ATCCACTTATCCCCCCTCCCCTTCCCCGGCTTTTTTCTTCGCTCCCTTCCCCGCCCGCTC
AGATGCTCTCCTGTCAGCCGACCCCCCATTTCCCCCCCCCGTCTTCCCTTCACACCCTCC
CCCGCTCCGCCCCCCTTTCGCCGCCCTCCCCGCCATGTTGTCGTACATCCGCGCCCCTTC
GCCTCCGCCCCAACTGGCCGCCCCCCACGCCCGCTCCTCACAAAAACCT

Restriction Sites: NotI-NotI

ACCN: NM_003411

Insert Size: 3000 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:	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_003411.2, NP_003402.2
RefSeq Size:	4556 bp
RefSeq ORF:	2406 bp
Locus ID:	7544
UniProt ID:	P08048
Cytogenetics:	Yp11.2
Domains:	Zfx_Zfy_act, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a zinc finger-containing protein that may function as a transcription factor. This gene was once a candidate gene for the testis-determining factor (TDF) and was erroneously referred to as TDF. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the longer 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.