

Product datasheet for **SC111900**

ZFP64 (NM_018197) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP64 (NM_018197) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZFP64
Synonyms:	ZNF338
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 SC111900 sequence for NM_018197 edited (data generated by NextGen Sequencing)

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ATGAACGCGAGCAGCGAGGGCGAGAGCTTCGCGGGCTCGGTGCAAATCCAGGTGGCACAACGGTGTCTGG
TGGAGCTGACTCCCGACATCCATATCTGCGGCATCTGCAAGCAGCAGTTTAAACAACCTGGATGCCTTTGT
AGCTCACAAAGCAAAGTGGCTGCCAGCTGACAGGCACATCCGCAGCAGCCACCAGCAGCGTCCAGTTTGTA
TCGGAGGAAACAGTGCCTGCCACCCAGACTCAGACCACCACCAGAACCATCACCTCGGAGACCCAGACAA
TCACAGTTTCAGCTCCAGAATTTGTTTTTGAACATGGCTATCAAACCTTACCTGCCACGGAAGTAAATGA
AAACCAGACAGCCACTGTCATCTCTCTCCCTGCCAAGTCAACGACCAAAAAGCCACAACACCACCTGCT
CAGAAAAGGCTTAACTGTTGCTATCCAGGTTGCCAATTCAAGACTGCTTATGGCATGAAGGACATGGAGC
GGCATTAAAAAATTCACACGGGAGACAAACCCATAAGTGTGAAGTCTGTGGCAAGTGTCTTAGCCGGAA
AGACAAGCTGAAAACACATGCGGTGCCACACGGGCGTGAAGCCCTACAAGTGAAGACGTGTGACTAC
GCCGCTGCCGACAGCAGCAGCCTCAACAAGCACCTGAGGATCCACTCGGACGAGCGGCCCTTCAAATGCC
AGATCTGCCCTACGCCAGCCGCAACTCCAGCCAGCTCACTGTCCACCTCGGATCCACACGGGGGACGC
CCCTTCCAGTGTGGCTCTGTAGCGCCAAGTTCAAATCAGCTCGGACTTGAAAAGGCACATGCGGGTGC
CACTCGGGGGAGAAGCCTTTCAAGTGCAGTTCGCAATGTCCGCTGCACCATGAAGGGGAACCTCAAGT
CGCACATCCGATCAAGCACAGCGGGAATAACTTCAAGTGCCTCATTGCGACTTCTGGGTGACAGCAA
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TCCTGTCCAGCAAGGCCGCCCTGCGCATCCACGAGCGTATCCACTGCACCGACCGCCCTTTCAAGTGA
ACTACTGCAGTTCGACACCAACAGCCAGCAACCTGAGCAAGCACATGAAGAAGTCCATGGGGACAT
GGTTAAGACTGAGGCTCTAGAGAGGAAGGACACCGGCAGGCAGCAGCCGGCAGGTGGCCAAGCTGGAT
GCCAAGAAGAGTTTCCACTGCGATATATGCGATGCCTCCTTTCATGCGGGAGGACTCGCTCCGCAGCCACA
AGAGACAGCACAGTGAGTACAGTGAGAGTAAGAACTCGGACGTGACCGTTCTCCAGTTTCAGATCGACCC
CAGCAAGCAGCCGCCACGCCCTCACTGTGGGACACCTCCAGGTGCCCTCCAGCCAGCCAAGTGCCC
CAGTTCAGCGAGGGAAGAGTCAAATCATCGTTGGGCATCAGGTGCCCCAGGCGAACACCATCGTCCAGG
CTGCCGCCGCTGCAGTGAACATCGTCCCGCTGCCTTGGTGGCCAGAACCCAGAGGAACTCCAGGGAA
CAGCCGGCTGCAGATCCTGCGCCAGGTGAGTCTGATCGCCCCCTCAGTCTCGCGGTGTCCGAGCGAG
GCGGGCGCAATGACCCAGCCGGCTGTCTGCTGACCACCCACGAGCAGACGGACGGACCCACTCTGCACC
AGACTCTCATCCCACGGCCTCAGGTGGCCCCAGGAAGGCTCTGGCAATCAAACTTTCATTACCAGTTC
GGGTATTACTTGACTGACTTTGAAGGCCTAAACGCCTTGATTACAGAGGGGACAGCAGAAGTGACAGTG
GTGAGCGATGGAGGCCAGAACATCGCAGTGGCCACCACAGCGCCACCGGTCTTCTCTCTCTTCCAGC
AAGAACTACCCAAGCAGACCTACTCCATCATTCAGGGGCAGCCATCCAGCTTTGCTCTGTCCCGCGA
CTCCATTCCAGATTAG
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Clone variation with respect to NM_018197.2
190:a=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018197 unedited
 GATCTACGTTTACTATAGGGCGGCCGGAATTCGGCACGAGGGAAGGCAGGNGTGGGNN
 GGGTGTGGAAAAATAAAAGGAAAAGTCCTTGCACCATGTAGATCAGCGTCCCCCACTTTG
 GCATCCCGGCCGGCCGGGGACCTCCCAGTCTGCGGCCATGAACGCGAGCAGCGAGGGCGA
 GAGTTCGCGGGCTCGGTGCAAATTCAGGTGGCACAACGGTGTGGTGGAGCTGACTCC
 CGACATCCATATCTGCGGCATCTGCAAGCAGCAGTTTAAACACCTGGATGCCTTTGTAGC
 TCACAAGCAAAGTGGCTGCCAGTGCACAGGCACATCCGACGAGCCCCCAGCACGGTCCA
 GTTTGTATCGGAGGAAACAGTGCCTGCCACCCAGACTCAGACCACCACAGAACCATCAC
 CTCGGAGACCCAGACAATCACAGTTTCAGCTCCAGAATTTGTTTTTGAACATGGCTATCA
 AACTTACCTGCCACGAAAGTAATGAAAACCAGACAGCCACTGTCATCTCTCCCTGC
 CAAGTCACGCACCAAAAAGCCACAACACCACCTGCTCAGAAAAGGCTTAACTGTTGCTA
 TCCAGTTGCCAATTAAGACTGCTTATGGCATGAAGGACATGGAGCGGCATTTAAAAAT
 TCACACGGGAGACANACCCATAAGTGTGAAGTCTGTGGCAGTGTCTTAGCCGAAAGA
 CAAGCTGAAAACACATGCGGTGCCACACGGGCGTGAAGCCCTACAGTNTAGACGTGT
 GACTACCGCGTCCGACAGCAGCAGCCTCAACAAGCACCTGAGGATCCACTCGGACGAG
 CGGNCCTTNCAATGCCAGATCTGCCNTACGNACGNCGNNACTNCAGCCAGTNACTGT
 NCACCTGCGATCCACACGGGGGACGCCCTTNNCATGCTGCTGTACCGCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018197 unedited
 GACGCGCACGCATCTATATCGAGTTTTTTTTTTTTTTTTTATATTTAATCAGATATC
 AATTTATTATGGAACCATTCAATTTCTGCTCATTAGCACTAAACATTTTTTTGGGTCA
 AGTATCCATGTATATTATGTAGAAAATGGTCCTTCATGCCAACAGACTTACATGTATAA
 AACATGAACACCCCAAACCTCTGGGGAGTATTCCAGAATGGGGCAAAGAGAGGCTGGGA
 AGTACCATTTACTACACAAATGTAATAAGATGGACAGAAACCTTTATTAGAGTTGAAAA
 TCAAGTTGAAACAAACATGAATTCACTACTTAATGCATTTAATCCAACCCCTCATT
 GGAATCATCTTGGTAACATTTAAGATTCTACAACAGTTAATGCGACGATTCAGAGGTG
 GTCTCAAAGTTGTTACAGAGCTAAAAAATTATAGTAAGCAGTATAAAATTACAATTTAT
 TATGGGGCCAATGGGATTCACAACCATCCTTAAAAACTTAAGAGCAAACACGGCCAGGC
 ATGGTGGCTCACACCTGTAATCCCAGCACTTTGAGAAGCTGAAGTGGGCAGATCACTTGA
 AGTCAAGAGCTCAACATGATGAAACCCCGNCTCTACTAAATATACAAAAATTAGCCAGT
 ATGATGTCGTACACCTGTGGTCCCAGTACTCGAAGGGCCGAGCATGAGAATCGCTTNG
 ACCTGNGATGCNGACGTTGCAAGTGAAGCAAGATAGCGCCACTGCACTCCAGCCTGGGAAC
 AGAGCGAGACTCCGTCTCAAAACATAACAAACCAAGATACATTAGAGCAAACCTCTAGAG
 ATNCTACTAAAGATGGCTTTTCTCATTNCCTTTCCCACTCCTTTGTTTTAGCCCTATCT
 GAATGGATCGGCGGAATGACAAGCTGGATGGCTGCCCTGATGAGNGATAAGCCGCTTGC
 TATTCTGCTGGATAAGAGAGATACCGTGCCCTGGAGGCACTGCAGTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_018197

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_018197.2](#), [NP_060667.2](#)

RefSeq Size: 3281 bp

RefSeq ORF: 2046 bp

Locus ID: 55734

UniProt ID: [Q9NTW7](#)

Cytogenetics: 20q13.2

Domains: zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) lacks several exons and includes an alternate 3' terminal exon resulting in a novel 3' coding region and 3' UTR compared to variant 4. The encoded isoform (a) has a longer and distinct C-terminus compared to isoform d.