

Product datasheet for **SC309298**

ZSCAN2 (NM_181877) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZSCAN2 (NM_181877) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZSCAN2
Synonyms:	ZFP29; ZNF854
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_181877, the custom clone sequence may differ by one or more nucleotides

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ATGATGGCTGCAGACATCCCGAGAGTGACCACTCCGCTGAGCTCCTTGGTCCAGGTGCCT
CAAGAGGAAGATAGACAGGAGGAGGAGTACCACCATGATCCTGGAGGATGACTCCTGG
GTGCAAGAAGCTGTGCTGCAGGAGGATGGCCCTGAGTCTGAGCCCTTTCCCAGAGTGT
GGCAAGGGCGGCCCCAGGAGGAGTGACCAGGGGACCACAGGGTGCCTCGGCCGCTC
CGAGAGTCTGCCGGGCTGGCTGAGACCAGAGGTACACACCAAGGAGCAGATGTTAACC
ATGCTGCCAAAGGAAATTCAGGCTTGGCTGCAAGAGCATCGGCCTGAAAGCAGTGAGGAG
GCAGCGGCCCTGGTGGAAGACTTGACCCAGACCCTTCAGGACAGTGATTTTGAGATACAG
AGTGAAAAATGGGGAGAAGTGTAAATCAAGACATGTTTGAGAATGAATCACGTAAGATATTC
TCGGAAATGCCTGAAGGTGAAAGTGCTCAGCACTCCGATGGGGAAAGTGACTTTGAGAGA
GATGCTGGCATCCAGAGGCTCCAGGGACACAGCCAGGTGAGGACCACGGGGAGGTGGTT
TCTCAGGACAGGGAAGTTGGCCAGCTCATAGGCCTGCAGGGCACCTACCTAGGGGAGAAG
CCCTACGAATGTCCCAGTGTGGGAAGACCTTCAGCCGGAAATCCCACCTCATCACACAC
GAGAGGACCCACACAGGAGAGAAATACTACAAATGTGATGAATGTGAAAAAGCTTTAGT
GATGGTTCAAATTTTAGTAGACACCAAACCACTCACACCGGGGAGAAGCCCTACAATGC
AGAGACTGTGGGAAGAGCTTTAGCCGGAGTGCCAACCTCATAACCCACCAGAGGATCCAC
ACGGGGGAAAAGCCCTTCCAGTGTGCCGAGTGTGGCAAGAGCTTCAGCAGGAGTCCCAAC
CTCATTGCACATCAGCGCACCCACACAGGAGAGAAACCTACTCGTGCCCGAGTGTGGA
AAGAGCTTTGGCAACCGATCCAGCCTTAACACGCATCAGGGGATCCCACTGGAGAAAAG
CCCTACGAATGTAAGAATGCCGGCGAAAGCTTTAGTTACAACCTCAATCTAATCAGACAC
CAGAGAATCCACACAGGAGAGAAACCTACAAATGTACCGACTGTGGGCAGAGGTTCCAGC
CAGAGTTCAGCCCTCATCACCCACGGGAGAACCCACACAGGAGAGAAACCTACCAGTGC
AGCGAGTGTGGGAAAAGCTTCAGCCGAGCTTAACCTGGCCACACACCGGAGAACCAC
ATGGTGGAGAAGCCCTATAAGTGTGGGGTGTGTGGGAAGAGCTTCAGCCAGAGCTCCAGT
CTGATTGCACACCAGGGCATGCACACAGGGGAGAAACCTACGAGTGCCTGACATGTGGG
GAGAGCTTCAGCTGGAGCTCCAACCTCCTCAAGCACCAGAGGATCCACACGGGAGAGAAA
CCCTACAAATGCAGCGAGTGTGGGAAATGCTTCAGCCAGCGCTCCAGCTCGTAGTGCAC
CAGCGGACCCACACGGGGGAGAAGCCCTACAAATGCCTCATGTGCGGCAAGAGCTTCAGC
CGGGGCTCCATTCTGGTCATGCACCAGAGAGCCATTTGGGAGACAAGCCCTACAGGTGC
CCTGAGTGTGGGAAAGGCTTTAGCTGGAAGTCAAGTCCATTATACATCAGCGAATCCAC
ACTGGGGAGAAGCCCTACAAATGCCCGAGTGTGGCAAAGGCTTCAGCAACAGCTCTAAC
TTTATCACACATCAGAGAACTCATGAAAGAGAACTTTATTGA

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- Restriction Sites:** Please inquire
- ACCN:** NM_181877
- 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_181877.3](#), [NP_870992.2](#)

RefSeq Size: 3765 bp

RefSeq ORF: 1845 bp

Locus ID: 54993

UniProt ID: [Q7Z7L9](#)

Cytogenetics: 15q25.2

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene contains several copies of zinc finger motif, which is commonly found in transcriptional regulatory proteins. Studies in mice show that this gene is expressed during embryonic development, and specifically in the testis in adult mice, suggesting that it may play a role in regulating genes in germ cells. Alternative splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

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