

Product datasheet for **SC114938**

ZKSCAN5 (NM_014569) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZKSCAN5 (NM_014569) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZKSCAN5
Synonyms:	ZFP-95; ZFP95; ZNF914; ZSCAN37
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014569, the custom clone sequence may differ by one or more nucleotides

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ATGATAATGACCGAATCCCGAGAAGTTATAGACTTAGACCCCCAGCTGAGACTTCCCAGGAGCAGGAAG
ACCTTTTCATAGTGAAGGTGGAAGAAGAAGACTGCACCTGGATGCAGGAGTACAACCCGCCAACGTTTGA
GACTTTTACCAGCGCTTCAGGCACTTCCAGTACCATGAGGCTTCAGGACCCGGGAGGCTCTCAGCCAA
CTCCGGGTGCTCTGCTGTGAGTGGCTGAGGCCCGAGCTGCACACGAAGGAGCAGATCCTGGAGCTGCTGG
TGCTGGAGCAGTTCTGACCATCCTGCCTGAAGAGTTCAGCCCTGGGTGAGGGAACATACCCTGAAAG
TGGAGAAGAGGCGGTGGCCGTGATAGAAAATATACAGCGAGAAGTTCAGGAAACGCAGACAGCAGATTGTT
GCCTGCCCTGATGTGCTTCTCGGAAGATGGCAACACCTGGAGCAGTGCAGGAGTCTGCAGCCCCATC
CCCTGACCGTGGACACCCAGCCTGAGCAAGCGCCACAGAAGCCTCGTCTCCTGGAGGAAATGCCCTTCC
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TCCCAGAAGTTGGTGAATTTGAAGAGGTGGCTGATGTGGCTGTATCCTTCATCCTGGAGGAATGGGGC
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GGGTTATGAGTCCAGGGACAATATGGAGCTCATAGTGAAGCAGATTTCTGATGACTCTGAATCACACTGG
GTGGCGCCAGAACACACCGAAAGGAGCGTTCTCAGGATCCAGACTTTGCAGAAGTCAGTGACCTTAAAG
GCATGGTACAAAGGTGGCAGGTCAACCCCACTGTGGGGAATCAAGGCAGAAATCCTTCCCAGAAAAGGGA
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CACAGTGTCCACAGCGGAGAGAGGCCCTATGGCTGCAATGAGTGTGGGAAGAAGTTCGGTGCCTTCGC
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CAAAGAAATGTTTCTCAAGTTCAAGATTTGGAGAAGGCTGTGAGTTTCAAGGCAAGCTGGATAGAAAGC
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TCCCTTATGTGGGAAAGCCTTCAGAGTGAGGTCCACCTTGTTTCAAGCATCAGAGCGTGCACAGTGGGGAG
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TCCACTCCCGAGAGAAATCCCATCAGTGTGCTGAATGTGGGAAATCTTTTTTCAGTACGTTAGCCTAAT
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AAATCCCATCAATGTCATGAATGTGGCAGAGGCTTCACTCTGAAGTCACATCTTAATCAACATCAGAGAA
TCCATACTGGTGAGAAACCTTTTCAATGTAAAGAATGTGAATGAATTTAGCTGGAGTTGTAGCCTCTT
TAAACACCTGAGAAGCCATGAGAGGACAGATCCCATAAATACCTTAAGTGTAGAGGGTCTCTGTTGTAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014569 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGTGACGTTGAAGATG
 TCGGCCTTCTGAGCCGACTGCGGTGGTCAAGAGTGTAAACACAGCCAGCCTCGAAGACTTC
 CCTCTGAGTTGGAATGATAATGACCGAATCCCGAGAAGTTATAGACTTAGACCCCCCAGC
 TGAGACTTCCCAGGAGCAGGAAGACCTTTTCATAGTGAAGGTGGAAGAAGAAGACTGCAC
 CTGGATGCAGGAGTACAACCCGCCAACGTTTGAGACTTTTTACCAGCGCTTCAGGCACTT
 CCAGTACCATGAGGCTTCAGGACCCCGGAGGCTCTCAGCCAACCTCCGGTGCTCTGCTG
 TGAGTGGCTGAGGCCGAGCTGCACACGAAGGAGCAGATCCTGGAGCTGCTGGTGTGGA
 GCAGTTCCTGACCATCCTGCCTGAAGAGTTCAGCCCTGGGTGAGGGAACATCACCTGA
 AAGTGGAGAAGAGGCGGTGGCCGTGATAGAAAATATACAGCGAGAACTTGAGGAACGCAG
 ACAGCAGATTGTTGCCTGCCCTGATGTGCTTCTCGGAAGATGGCAACACCTGGAGCAGT
 GCAGGAGTCTGCAGCCCCATCCCTGACCGTGGACACCCAGCCTGAGCAAGCGCCACC
 AGAAGCCTCGCCTCCTGGAGGAAATGCCCTTCTGTTCTCCAAGTTCCTTCCCTTCCCT
 GAAAGACAGCCCAGGAGCTGACAGCTTCACTTCTTTAACTGGGTCCTCAGTTTGAAAA
 TTGAAACAGGTGGCTGATGCGGGCGGATCCCTCCATCCTGCAGGAATGTTGGCATTGGA
 CCACCCCGAAGTCCCTTTATAGGGATGAACGGAAGGCCACCCTCGGGCAGTTTCTTCCC
 GTGGGTTCACGGCCACGGCCCTATGGCGCTCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014569 unedited
 GGCACGCAATCTAGTGTGAGNCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTCAAAAACCATGGGATTGACAGGGGATTTTTTTGGAAAACCCCTTTGAGG
 GAGGGATTGAAACAGGATAAAAAAGGGAAGCTTACCCCGTTAAAGGCTCAAAAAA
 GTTTATCTGGGCTGATCCAAGGTGCCAAACATTCTTAGCACCTGGATTTTTCTCCG
 TTTTATTAATAAATGAACAGGTGTTGGGGTGTAAGAAAGAGGACTCCTGGGGGAGGGGA
 AATGGTCTCATCTCCTGAGGGCATTCTCCATTTTTTTGGAAAACAAATCTGTGAGCAT
 TTGCAGCCCAACTAAAAACATTTGGGGATGGGGTCTCACCTTGGTAAAGGGGACTGGA
 CAGGCCCCACAGGTTACAACACATTTGGCAACAATTTTTATTGGGCTTTTTTTGTAA
 GCCAGGCAAGTCAGCAAAACCGGCTGAGCAGGGCCCAAAACCTCACTCACTCTCCCTA
 GAAAACAGGCTAAAACCTCTCTAACACTTGTTCCTCTTCCACTAAAAATCCACCCC
 ACCTTCTGGAAGGCAGGGCTAACAGGACCTTCTGCCTGCCTGCTAAAGATTGATTTTCT
 TTAATCCAGTTGCATGGAAAACCTGAAACCTATCTTGATTTTCAACACTTCTACAGGAAA
 GGTTTTTTTTGGGGGCCCAATATATAACCACTTTCTGGTTGAGACCAGGACTTGTA
 TTGCCCTTGCCCCAACTCTTTTATGGGTTAGCCGGCCTTCTCCTGGGGGTAAACAA
 AATAAAAGCCACAATTTTGCCTGTTTTTTTGGTCCTAAGGCCCTTCTCCTCCCGGAA
 GATTGCACGACCAAAAAGTTCTTCTGAATTAATAAATGAACATTCTCTACGGTTTACCTG
 TAATAGAAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_014569

Insert Size:

4110 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:	<u>NM_014569.2, NP_055384.1</u>
RefSeq Size:	4361 bp
RefSeq ORF:	2520 bp
Locus ID:	23660
UniProt ID:	<u>Q9Y2L8</u>
Cytogenetics:	7q22.1
Domains:	KRAB, LER, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a zinc finger protein of the Kruppel family. The protein contains a SCAN box and a KRAB A domain and may be involved in transcriptional regulation. A similar protein in mouse is differentially expressed in spermatogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Variants 1, 2, and 3 encode the same isoform.