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Product datasheet for SC124619

ZKSCAN5 (NM_145102) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZKSCAN5 (NM_145102) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZKSCAN5
Synonyms:	ZFP-95; ZFP95; ZNF914; ZSCAN37
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_145102, the custom clone sequence may differ by one or more nucleotides

ATGATAATGACCGAATCCCGAGAAGTTATAGACTTAGACCCCCCAGCTGAGACTTCCCAGGAGCAGGAAG
ACCTTTTCATAGTGAAGGTGGAAGAAGAAGACTGCACCTGGATGCAGGAGTACAACCCGCCAACGTTTGA
GACTTTTTACCAGCGCTTCAGGCACTTCCAGTACCATGAGGCTTCAGGACCCCGGGAGGCTCTCAGCCAA
CTCCGGGTGCTCTGCTGTGAGTGGCTGAGGCCCGAGCTGCACACGAAGGAGCAGATCCTGGAGCTGCTGG
TGCTGGAGCAGTTCCTGACCATCCTGCCTGAAGAGTTCCAGCCCTGGGTGAGGGAACATCACCCTGAAAG
TGGAGAAGAGGCGGTGGCCGTGATAGAAAATATACAGCGAGAACTTGAGGAACGCAGACAGCAGATTGTT
GCCTGCCCTGATGTGCTTCCTCGGAAGATGGCAACACCTGGAGCAGTGCAGGAGTCCTGCAGCCCCCATC
CCCTGACCGTGGACACCCAGCCTGAGCAAGCGCCACAGAAGCCTCGTCTCCTGGAGGAAAATGCCCTTCC
TGTTCTCCAAGTTCCTTCCCTTCCCCTGAAGGACAGCCAGGAGCTGACAGCTTCACTTCTCTCAACTGGG
TCCCAGAAGTTGGTGAAAATTGAAGAGGTGGCTGATGTGGCTGTATCCTTCATCCTGGAGGAATGGGGGC
ATTTGGACCAGTCCCAGAAGTCCCTTTATAGGGATGACAGGAAGGAGAACTATGGGAGTATTACTTCCAT
GGGTTATGAGTCCAGGGACAATATGGAGCTCATAGTGAAGCAGATTTCTGATGACTCTGAATCACACTGG
GTGGCGCCAGAACACACCGAAAGGAGCGTTCCTCAGGATCCAGACTTTGCAGAAGTCAGTGACCTTAAAG
GCATGGTACAAAGGTGGCAGGTCAACCCCACTGTGGGGAAATCAAGGCAGAATCCTTCCCAGAAAAGGGA
TCTGGATGCAATCACAGACATCAGCCCTAAGCAAAGCACACATGGCGAGAGAGGGCACAGATGCAGCGAT
TGTGGCAAATTCTTCCTCCAAGCCTCAAACTTTATTCAGCATCGGCGCATCCACACTGGAGAAAAACCGT
TTAAGTGCGGAGAATGTGGGAAGAGCTACAATCAGCGGGTGCACCTCACCCAGCACCAGCGCGTCCACAC
AGGGGAGAAACCCTACAAATGTCAGGTGTGCGGAAAGGCTTTCCGGGTGAGTTCCCACCTGGTTCAGCAC
CACAGTGTCCACAGCGGAGAGAGGCCCTATGGCTGCAATGAGTGTGGGAAGAACTTCGGTCGCCATTCGC
ATCTGATCGAACACCTAAAACGCCACTTCAGGGAGAAATCCCAGAGATGCAGTGACAAAAGAAGTAAGAA
CACAAAATTAAGTGTTAAGAAGAAAATTTCAGAATATTCAGAAGCAGACATGGAACTATCTGGAAAAACC
CAAAGAAATGTTTCTCAAGTTCAAGATTTTGGAGAAGGCTGTGAGTTTCAAGGCAAGCTGGATAGAAAGC
AGGGAATTCCCATGAAAGAGATACTAGGACAACCATCTTCAAAGAGGATGAACTACAGTGAAGTCCCATA
TGTCCACAAAAAATCCTCCACTGGAGAGAGACCACATAAATGTAACGAGTGTGGGAAAAGCTTCATTCAG
AGTGCACATCTTATTCAACATCAAAGAATACACACTGGGGAGAAACCATTCAGGTGTGAGGAATGTGGGA
AAAGCTACAACCAACGCGTGCACCTAACTCAGCATCAGCGCGTCCACACAGGTGAGAAGCCCTACACCTG
TCCCTTATGTGGGAAAGCCTTCAGAGTGAGGTCCCACCTTGTTCAGCATCAGAGCGTGCACAGTGGGGAG
AGACCCTTCAAGTGTAACGAATGTGGGAAAGGCTTTGGGAGGCGTTCCCACCTGGCTGGACATCTTCGAC
TCCACTCCCGAGAGAAATCCCATCAGTGTCGTGAATGTGGGGAAATCTTTTTTCAGTACGTTAGCCTAAT
TGAACATCAGGTGCTCCACATGGGTCAGAAAAATGAAAAAAATGGCATCTGTGAGGAAGCATATAGTTGG
AACTTGACAGTGATTGAAGACAAGAAGATTGAGTTACAAGAGCAGCCTTATCAGTGTGATATCTGTGGAA
AAGCCTTTGGTTATAGCTCAGACCTCATTCAGCATTACAGAACTCATACAGCAGAGAAGCCCTATCAATG
TGATATATGTAGAGAAAATGTTGGCCAGTGTTCCCACACCAAACAACATCAAAAAATCTACTCCAGCACA
AAATCCCATCAATGTCATGAATGTGGCAGAGGCTTCACTCTGAAGTCACATCTTAATCAACATCAGAGAA
TCCATACTGGTGAGAAACCTTTTCAATGTAAAGAATGTGGAATGAATTTCAGCTGGAGTTGTAGCCTCTT
TAAACACCTGAGAAGCCATGAGAGGACAGATCCCATAAATACCTTAAGTGTAGAGGGGTCTCTGTTGTAG

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_145102 unedited
TATAGGGCGGCCGCGATTCGGCACGAGGCCTCTGAGTTGGAATGATAATGACCGAATCCC
GAGAAGTTATAGACTTAGACCCCCCAGCTGAGACTTCCCAGGAGCAGGAAGACCTTTTCA
TAGTGAAGGTGGAAGAAGAAGACTGCACCTGGATGCAGGAGTACAACCCGCCAACGTTTG
AGACTTTTTACCAGCGCTTCAGGCACTTCCAGTACCATGAGGCTTCAGGACCCCGGGAGG
CTCTCAGCCAACTCCGGGTGCTCTGCTGTGAGTGGCTGAGGCCCGAGCTGCACACGAAGG
AGCAGATCCTGGAGCTGCTGGTGCTGGAGCAGTTCCTGACCATCCTGCCTGAAGAGTTCC
AGCCCTGGGTGAGGGAACATCACCCTGAAAGTGGAGAAGAGGCGGTGGCCGTGATAGAAA
ATATACAGCGAGAACTTGAGGAACGCAGACAGCAGATTGTTGCCTGCCCTGATGTGCTTC
CTCGGAAGATGGCAACACCTGGAGCAGTGCAGGAGTCCTGCAGCCCCCATCCCCTGACCG
TGGACACCCAGCCTGAGCAAGCGCCACAGAAGCCTCGTCTCCTGGAGGAAAATGCCCTTC
CTGTTCTCCAAGTTCCTTCCCTTCCCCTGAAGGACAGCCAGGAGCTGACAGCTTCACTTC
TCTCAACTGGGTCCCAGAAGTTGGTGAAAATTGAAGAGGTGGCTGATGTGGCTGTATCCT
TCATCCTGGGAGAATGGNGGCATTTGGACCAGTCCCAGAAGTCCCTTTATAGGATGACAG
GAAGGAGACTATGGGAGTATTACTTCCATGGTTTATGAGTCCAGGGACCATATGGAGCTC
ATAGTGAAAGCAGATTTCTGATGACTCTGAATCACACTGGGTGGCGCCGGACACACCGAA
AGGACGTTCCTCAGGATACCACTTTTGCAAAGTTCAG
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Restriction Sites: NotI-NotI

ACCN: NM_145102

Insert Size: 4700 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_145102.1, NP_659570.1

RefSeq Size: 4193 bp

RefSeq ORF: 2520 bp

Locus ID: 23660

UniProt ID: Q9Y2L8

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 (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same isoform (a).