

Product datasheet for **SC331918**

ZKSCAN3 (NM_001242895) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZKSCAN3 (NM_001242895) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZKSCAN3
Synonyms:	dj874C20.1; dj874C20.1.; ZF47; zfp-47; Zfp47; ZFP306; ZNF306; ZNF309; ZSCAN13; ZSCAN35
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331918 representing NM_001242895. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCACTATTGACACCAGCCCCAGGGTCACAAAGTAGCCAATTTAGCTAATGAAGGCTCTGCTCAAG
CATGAATCTGTGGGATCCCAGCCTTTACAAGATAGAGTTCTCCAGGTCCCCTGCTTGCCCATGGAGGA
TGCTGCAGAGAAGATAAAGTGGTAGCTTCTAGGCTTACTCCAGAGTCCCAGGGTTGTTGAAAGTGGAA
GATGTGGCCCTGACCCTACCCCTGAATGGACACAGCAGGATTCATCTCAGGGGAATCTCTGTAGAGAT
GAAAAGCAGGAGAACCATGGCAGCCTGGTCTCCCTGGGTGATGAAAAACAGACTAAGAGCAGGGACTTG
CCTCCAGCTGAGGAGCTCCAGAAAAGGAGCATGGGAAGATATCGTGCCACCTGAGAGAAGACATTGCC
CAGATTCCTACATGTGCAGAAGCTGGTGAACAGGAGGGCAGGCTACAAAGAAAGCAGAAAAATGCCACA
GGAGGGAGGCGGCACATCTGCCATGAATGTGGAAGAGTTTTGCTCAAAGCTCAGGCCTGAGTAAACAC
AGGAGAATCCCACTGGTGAGAAACCCTACGAATGTGAAGAGTGTGGCAAAGCCTTCATTGGGAGCTCT
GCCCTTGTCACTCATCAGAGAGTCCCACTGGTGAGAAGCCATATGAGTGTGAAGAAATGTGGTAAGGCC
TTCAGTCATAGCTCAGACCTTATCAAGCATCAGAGAACCACACTGGGGAGAAGCCCTATGAGTGTGAT
GACTGTGGGAAGACCTTCAGCCAGAGCTGCAGCCTCCTGAACATCACAGAATCCCACTGGGGAGAAG
CCGTATCAGTGCAGTATGTGTGGCAAAGCCTTTAGCGAAGTTCACATCTCCTGAGACATCAGAGGATC
CATACTGGGGATAAAAAATGTTTCAGGAACCTGAGCAGGGAGAGCCTGAAAAAGTAGGATGGAAAGCCAG
TTGAAAAATGTTGAAACTCCCATGTCTTATAAATGTAATGAGTGTGAAAGAAGTTTCACTCAGAATACA
GGCCTCATTGAACATCAAAAAATCCCACTGGTGAGAAACCCTATCAGTGTAAATGCGTGTGAAAAAGGC
TTCACCCGAATTCATACCTTGTCAACATCAGAGAAGCCATGTAGGGAAAAACATCCTATCACAGTGA

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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001242895
Insert Size:	1173 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).



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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:	<ol style="list-style-type: none">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_001242895.1</u>
RefSeq Size:	4261 bp
RefSeq ORF:	1173 bp
Locus ID:	80317
UniProt ID:	<u>Q9BRR0</u>
Cytogenetics:	6p22.1
Protein Families:	Transcription Factors
MW:	43.8 kDa
Gene Summary:	<p>Transcriptional factor that binds to the consensus sequence 5'-[GT][AG][AGT]GGGG-3' and acts as a repressor of autophagy. Specifically represses expression of genes involved in autophagy and lysosome biogenesis/function such as MAP1LC3B, ULK1 or WIPI2. Associates with chromatin at the ITGB4 and VEGF promoters. Also acts as a transcription activator and promotes cancer cell progression and/or migration in various tumors and myelomas. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon compared to variant 1. The resulting protein (isoform 2) has a distinct N-terminus and is shorter than 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.</p>