

Product datasheet for **SC319168**

ZKSCAN3 (NM_024493) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZKSCAN3 (NM_024493) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZKSCAN3
Synonyms:	dj874C20.1; dj874C20.1.; ZF47; zfp-47; Zfp47; ZFP306; ZNF306; ZNF309; ZSCAN13; ZSCAN35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024493.1
 CCGCGTCGGCCTTCCACTGTGGGGTAAATCTCATCCCAGCGGCTCTCCTCCTGTCGGTCC
 TGCAGTCTTTTTGTCGCCGGGTAGAGGGATCTTCTGCAGAAATAGCGCTGGAAGCTAGAG
 TGAGGCCCTGAGTACTGCCTTGGCCTAGGATGGCTAGAGAATTAAGTAAAAGCACAGCCCT
 GGATGCCAGTCTACAGAAGACCAGATGGAGCTTCTGGTCATAAAGTGGAGGAAGAAGA
 AGCCGGTTTTCCAGTAGCCAGATCTGGTTCTGAGGGCTCCCGCAGCGCTCCGAGG
 CTTCCGCTACCCGAGGCTGCAGGCCCCCGCAGGCGCTGAGTCGGCTCCGAGAGCTCTG
 CCGACAGTGGCTGCAGCCTGAGATGCACAGCAAGGAGCAGATCCTGGAGCTGCTGGTCTG
 GGAGCAGTTCCTGACCATCCTGCCGGGAATCTGCAGAGCTGGGTGCGGGAGCAGCATCC
 AGAGAGCGGGGAGGAGGTGGTGGTCTATTGGAGTATTTGGAGAGGCAGCTGGATGAGCC
 GGCGCCGAGGTTTCAGGTGTTGACCAGGGCAAGAAGTCTCTGTTGCAAGATGGCACT
 ATTGACACCAGCCCCAGGGTCAAAAAGTAGCAATTTAGCTAATGAAGGCTCTGCTCAA
 GCATGAATCTGTGGATCCCAGCCTTTACAAGATAGAGTTCTCCAGGTCCCAGTCTTGC
 CCATGGAGGATGCTGCAGAGAAGATGCAGTGGTAGCTTCTAGGCTTACTCCAGAGTCCCA
 GGGGTTGTTGAAAGTGAAGATGTGGCCCTGACCCTCACCCCTGAATGGACACAGCAGGA
 TTCATCTCAGGGGAATCTCTGTAGAGATGAAAAGCAGGAGAACCATGGCAGCCTGGTCTC
 CCTGGGTGATGAAAAACAGACTAAGAGCAGGGACTTGCCTCCAGCTGAGGAGCTTCCAGA
 AAAGGAGCATGGGAAGATATCGTGCCACCTGAGAGAAGACATTGCCCAGATTCTACATG
 TGCAGAAGCTGGTGAACAGGAGGGCAGGCTACAAAAGAAAGCAGAAAAATGCCACAGGAGG
 GAGGCGGCACATCTGCCATGAATGTGAAAAGAGTTTTGCTCAAAGCTCAGGCCTGAGTAA
 ACACAGGAGAATCCACTGGTGAAGAACCTACGAATGTGAAGAGTGTGGCAAAGCCTT
 CATTGGGAGCTCTGCCCTGTCTTTCATCAGAGAGTCCACTGGTGAGAAGCCATATGA
 GTGTGAAGAATGTGGTAAGGCCTTCAGTCATAGCTCAGACCTTATCAAGCATCAGAGAAC
 CCACACTGGGAGAAAGCCCTATGAGTGTGATGACTGTGGGAAGACCTTCAGCCAGAGCTG
 CAGCCTCCTTGAACATCAGAAATCCACTGGGAGAAAGCCGTATCAGTGCAGTATGTG
 TGGCAAAGCCTTTAGGCGAAGTTCACATCTCCTGAGACATCAGAGGATCCATACTGGGGA
 TAAAAATGTTAGGAACCTGAGCAGGGAGAGGCCTGGAAAAGTAGGATGGAAAGCCAGTT
 GGAAAATGTTGAAACTCCCATGTCTTATAAATGTAATGAGTGTGAAAGAAGTTTCACTCA
 GAATACAGGCCTCATTGAACATCAAAAAATCCACTGGTGAAGAACCTATCAGTGTAA
 TCGGTGTGAAAAGGCTTACCCGAATTTACATACCTTGTCAACATCAGAGAAGCCATGT
 AGGGAAAAACATCCTATCACAGTGACCCATGCCATACATGCCAGTTGGTGTCTTTGTGTC
 ACTGATCTGAAGCCACTCCCCCTGGAGTCTCAACTATAGAAATTGTGGGCTGGGCTTTAT
 TTACCACTACACATTATCAGGTGTTAGAAAATGTAGACTGGGTTAGACAAATTATCTTCT
 AAGTTCTAGAAGGGGTTTGAATCAAAACATATTTGATAGGAGGCTACGGGAGAGTTGTC
 TAGAAGAGGTAAGACCTGAAACTGTTTGTCTCTCCACTAGAATTAATGGATGTTTAG
 ACTGGCTACTTGCCTAAACCAGCACTTGGTGTGCTACTGGGTGGATGGTTGTGATTT
 GGGGGCTGCTTCTGACCATTCTTTTTGACTGTAATGAATCCTCCACAGTTGGTCAGAT
 TCATAAAGTCTTATATCCCCCTGTGCCTTTTCTGCAGGTGCTAATAAATGTTTATTGA
 ATGTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024493

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:	<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:	NM_024493.1 , NP_077819.1
RefSeq Size:	2242 bp
RefSeq ORF:	1617 bp
Locus ID:	80317
UniProt ID:	Q9BRR0
Cytogenetics:	6p22.1
Domains:	KRAB, LER, zf-C2H2
Protein Families:	Transcription Factors
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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (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>