

Product datasheet for **MC218844**

Zkscan3 (NM_023685) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zkscan3 (NM_023685) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zkscan3
Synonyms:	2810435N07Rik; AA408594; A1132359; mszf35; Skz1; Zf47; Zfp-47; Zfp306; Zfp307
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218844 representing NM_023685
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTAGAGAATCAAGGAAAGCACAACTTGGACTCACACTCTGCAGAGGACCAGATGGAGCTACTGG
 TCATAAAGGTGGAACAAGAAGAGCCTCCCCCTTGGCAGAGGAGACCAGTTGGCTGGGCAGTCTGGGCC
 TGACCGCTCCCGCCAGCGCTTCCGTGCTTCCGCTACCCAGAGGCAGCCGGGCCCGGCAGGCGCTGAGC
 CGGCTCCGCGAGCTCTGCAGACAGTGGCTGCGGCCAGACATGCACAGCAAGGAGCAGATCCTGGAGCTGC
 TGGTGCTGGAGCAGTTCTGACCATCCTGCCAGGGGAGCTGCAGGCCTGGGTGCGCGAGCAGCACCCCGA
 CAGCGGGGAGGAGGTGGTGGCGCTGCTGGAGTACTTGGACAGGCAGCTGGATGACACACCTCCACAGTT
 CCAGATGATGACGATGGGCAGGAACCTTTGCTCCAAGGCAGTGTGTTGACATCAGCTCAGGGCTCAG
 AAAGTAGCCAGATGGAGCCCGTGGAGCCTCTGCTGAAGCAGGAGTCTTTGGGATCCCTGCCCTCAGAAGT
 CAGAGTCACTCATGTGGGCACTGTGGAGAAGATGGAGTGACAGTACTAGGCTCACATCGGAATTACAG
 GGGTTGCTGAAAAATGGAAGATGTAGCCCCAGTCTTTCCCCCAGATGGACAGAGCAGGATTCATCTCAGA
 TGAACCTCTACAAAGATGGAATGCAGGAGCACTCTGGCAGCCTGGTTCCCTGGATCAGGACATGCAGAC
 TAAGTTAGGGACTTGCCTCGAGCTGAAGAATATAGGGACAAAAGCCTGAGCAGACAGTGTGCTTCCTG
 GGTGAAGACACTGTCCCGATTCTACAGGTGCAGAAGCCAGTGAGCAGGAAGGCAAGTTACAGGCAGCAC
 AGAAGAGTGCCACAGGAACCGCGGTTCTATTGCCGTGAATGTGGGAAGAGCTTTGCTCAGAGTTTCAAG
 CCTAAGTAAACACAAAAGAAATCCACACTGGATTGAAACCTATGAATGTGAGGAGTGTGGCAAAGCCTTC
 ATTGGAAGCTCAGCTCTCATTATTCATCAGAGAGTTCACACTGGTGAGAAGCCATATGAGTGTGAAGAAT
 GTGGTAAGGCCTTCAGTCACAGCTCAGATCTCATCAAACACCAGAGAACCACACTGGGGAAAAGCCCTA
 CGAGTGTGATGACTGTGGGAAAACCTTCACTCAGAGCTGCAGCCTCCTTGAACATCACAGAATTCACACT
 GGGGAGAAGCCATACCAGTGCAACATGTGTCCCAAAGCCTTTAGCGTAGCTCACATCTTCTGAGACATC
 AGAGGACCATACTGGGGATAAAGATTTTTTTGTTCCAGAACCTTACTGGGAAAGTCAAGTAGGGTGGAA
 AAGCCATTGGGAAAATATTGAACTCCTGTGTCTATCAATGTAATGATTGTGAGAGAAGTTTCAAGTAGG
 ATTACAAGCCTTATTGAACACAAAAGTACACACTGGTGAGAAGCCCTTTGAGTGCCAAACCTGTGGAA
 AAGGCTTACCCGACCTTATACCTTATCAACATCAGAGAAGACACACGGGGAAGAAAACCTTCTGTAC
 AGTGACCCCTGCTGTACATTCGAAGTTGGTGTCAACTGTCATTGAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_023685

Insert Size: 1662 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_023685.4](#), [NP_076174.3](#)

RefSeq Size: 2600 bp

RefSeq ORF: 1662 bp

Locus ID: 72739

UniProt ID: [Q91VW9](#)

Cytogenetics: 13 A3.1

Gene Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses a different splice site in the 5' UTR, compared to variant 1. Variants 1 and 2 both encode the same isoform (a).