OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC218780

Zkscan3 (NM_001145778) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zkscan3 (NM_001145778) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zkscan3
Synonyms:	2810435N07Rik; AA408594; AI132359; 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:

>MC218780 representing NM_001145778
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTAGAGAATCAAGGGAAAGCACAACCTTGGACTCACACTCTGCAGAGGACCAGATGGAGCTACTGG
TCATAAAGGTGGAACAAGAAGAGGCCTCCCCCTTGGCAGAGGAGACCAGTTGGCTGGGCAGTCCTGGGCC
TGACCGCTCCCGCCAGCGCTTCCGTGCTTTCCGCTACCCAGAGGCAGCCGGGCCCCGGCAGGCGCTGAGC
CGGCTCCGCGAGCTCTGCAGACAGTGGCTGCGGCCAGACATGCACAGCAAGGAGCAGATCCTGGAGCTGC
TGGTGCTGGAGCAGTTCCTGACCATCCTGCCAGGGGAGCTGCAGGCCTGGGTGCGCGAGCAGCACCCCGA
CAGCGGGGAGGAGGTGGTGGCGCTGCTGGAGTACTTGGACAGGCAGCTGGATGACACACCTCCACAGGTT
CCAGATGATGACGATGGGCAGGAACTCCTTTGCTCCAAGGCAGTGCTGTTGACATCAGCTCAGGGCTCAG
AAAGTAGCCAGATGGAGCCCGTGGAGCCTCTGCTGAAGCAGGAGTCTTTGGGATCCCTGCCCTCAGAAGT
CAGAGTCACTCATGTGGGGCACTGTGGAGAAGATGGAGTGACAGCTACTAGGCTCACATCGGAATTACAG
GGGTTGCTGAAAATGGAAGATGTAGCCCCAGTCCTTTCCCCCAGATGGACAGAGCAGGATTCATCTCAGA
TGAACCTCTACAAAGATGGAATGCAGGAGCACTCTGGCAGCCTGGTTTCCCTGGATCAGGACATGCAGAC
TAAGGTTAGGGACTTGCCTCGAGCTGAAGAATATAGGGACCAAAAGCCTGAGCAGACAGTGTGCTTCCTG
GGTGAAGACACTGTCCCGATTCCTACAGGTGCAGAAGCCAGTGAGCAGGAAGGCAAGTTACAGGCAGCAC
AGAAGAGTGCCACAGGAACCAGGCGGTTCTATTGCCGTGAATGTGGGAAGAGCTTTGCTCAGAGTTCAGG
CCTAAGTAAACACAAAAGAATCCACACTGGATTGAAACCCTATGAATGTGAGGAGTGTGGCAAAGCCTTC
ATTGGAAGCTCAGCTCTCATTATTCATCAGAGAGTTCACACTGGTGAGAAGCCATATGAGTGTGAAGAAT
GTGGTAAGGCCTTCAGTCACAGCTCAGATCTCATCAAACACCAGAGAACCCACACTGGGGAAAAGCCCTA
CGAGTGTGATGACTGTGGGAAAACCTTCACTCAGAGCTGCAGCCTCCTTGAACATCACAGAATTCACACT
GGGGAGAAGCCATACCAGTGCAACATGTGTCCCAAAGCCTTTAGGCGTAGCTCACATCTTCTGAGACATC
AGAGGACCCATACTGGGGATAAAGATTTTTTTGTTCCAGAACCTTACTGGGAAAGTCAGAGTAGGGTGGA
AAGCCATTGGGAAAATATTGAAACTCCTGTGTCTTATCAATGTAATGATTGTGAGAGAAGTTTCAGTAGG
ATTACAAGCCTTATTGAACACCAAAAAGTACACACTGGTGAGAAGCCCTTTGAGTGCCAAACCTGTGGAA
AAGGCTTCACCCGACCTTCATACCTTATTCAACATCAGAGAAGACACACGGGGAAGAAAACTTCTGTCAC
AGTGACCCCTGCTGTACATTCCGAAGTTGGTGTTCAACTGTCATTGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001145778

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_001145778.1, NP_001139250.1
RefSeq Size:	2603 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 (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).