

## Product datasheet for **MR208776**

### Zkscan3 (NM\_001145778) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zkscan3 (NM_001145778) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR208776 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTAGAGAATCAAGGAAAGCACAACTTGGACTCACACTCTGCAGAGGACCAGATGGAGCTACTGG  
 TCATAAAGGTGGAACAAGAAGAGTCTCCCTTGGCAGAGGAGACCAGTTGGCTGGGCAGTCTGGGCC  
 TGACCGCTCCCGCCAGCGCTTCCGTGCTTCCGCTACCCAGAGGAGCCGGGCCCGGCAGGCGCTGAGC  
 CGGCTCCGCGAGCTCTGCAGACAGTGGCTGCGCCAGACATGCACAGCAAGGAGCAGATCTGGAGCTGC  
 TGGTGCTGGAGCAGTTCTGACCATCTGCCAGGGGAGCTGCAGGCTGGGTGCGCAGCAGCACCCCGA  
 CAGCGGGAGGAGGTGGTGGCGCTGCTGGAGTACTTGGACAGGCAGCTGGATGACACACCTCCACAGTT  
 CCAGATGATGACGATGGCAGGAACTCCTTGTCCAAGGCAGTGTGTTGACATCAGCTCAGGGCTCAG  
 AAAGTAGCCAGATGGAGCCCGTGGAGCCTCTGCTGAAGCAGGAGTCTTTGGGATCCCTGCCCTCAGAAGT  
 CAGAGTCACTCATGTGGGCACTGTGGAGAAGATGGAGTGACAGTACTAGGCTCACATCGGAATTACAG  
 GGGTTGCTGAAAAATGGAAGATGTAGCCCAAGTCTTTCCCCAGATGGACAGAGCAGGATTCATCTCAGA  
 TGAACCTCTACAAAGATGGAATGCAGGAGCACTCTGGCAGCCTGGTTCCCTGGATCAGGACATGCAGAC  
 TAAGTTAGGGACTTGCCTCGAGCTGAAGAATACAGGGACAAAAGCCTGAGCAGACAGTGTCTTCCCTG  
 GGTGAAGACACTGTCCCGATTCTACAGGTGCAGAAGCCAGTGAGCAGGAAGGCAAGTTACAGGCAGCAC  
 AGAAGAGTGCCACAGGAACAGGCGGTTCTATTGCCGTGAATGTGGGAAGAGCTTTGCTCAGAGTTCAGG  
 CCTAAGTAAACACAAAAGATCCACACTGGATTGAAACCTATGAATGTGAGGAGTGTGGCAAAGCCTTC  
 ATTGGAAGCTCAGCTCTCATTATTCATCAGAGAGTTCACACTGGTGAAGCCATATGAGTGTGAAGAA  
 TGTGTAAGGCCTTCAGTCACAGCTCAGATCTCATCAAACACCAGAAACCCACTGGGAAAAGCCCTA  
 CGAGTGTGATGACTGTGGGAAAACCTTCACTCAGAGCTGCAGCCTCCTTGAACATCACAGAATTCACACT  
 GGGGAGAAGCCATACCAGTGCAACATGTGTCCCAAAGCCTTTAGCGCTAGCTCACATCTTCTGAGACATC  
 AGAGGACCCTACTGGGGATAAAGATTTTTTTGTTCCAGAACCTTACTGGGAAAGTCAAGTAGGGTGGAA  
 AAGCCATTGGGAAAATATTGAACTCCTGTGTCTTATCAATGTAATGATTGTGAGAGAAGTTTCAGTAGG  
 ATTACAAGCCTTATTGAACACAAAAGTACACTGGTGAAGCCCTTTGAGTGCCAAACCTGTGGAA  
 AAGGCTTACCCGACCTTATACCTTATCAACATCAGAGAAGACACACGGGGAAGAAAACCTTCTGTAC  
 AGTGACCCCTGCTGTACATTCGAAGTTGGTGTCAACTGTCATTGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208776 protein sequence  
 Red=Cloning site Green=Tags(s)

MARESTSTLDSHAEDQMELLVIKVEQEESPLAEETSWLGSPPDRSRQRFRAFRYPEAAGPRQALS  
 RLRELCRQWLRPDMHSKEQILELLVLEQFLTILPGELQAWVREQHPDSGEEVVALLEYLDRQLDDTTPPVQV  
 PDDDDGQELLCSKAVLLTSAQSESSQMEPVEPLLKQESLGSPLSEVRVTHVGHCGEDGVTATRLTSELQ  
 GLLKMEDVAPVLSRWRTEQDSSQMNLKQDGMQEHSGSLVSLDQDMQTKVRDLPRAEERYDQKPEQTVCF  
 GEDTVP IPTGAEASEQEGKLQAAQK SATGTRRFYCRECGKSFAQSSGLSKHKRIHTGLKPYECECGKAF  
 IGSSALIIHQRVHTGEKPYECECGKAFSHSSDLIKHQRTHTGEKPYECDDCGKTFQSCSLLHHRIHT  
 GEKPYQCNMCPKAFRRSSHLLRHQRTHTGDKDFVPEPYWESQSRVESHWENIETPVSYQCND CERSFSR  
 ITSLIEHQKVHTGEKPFECQTCGKGFTRPSYLIHQRRHTGKKT SVTVTPAVHSEVGVQLSLN

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001145778

**ORF Size:** 1662 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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

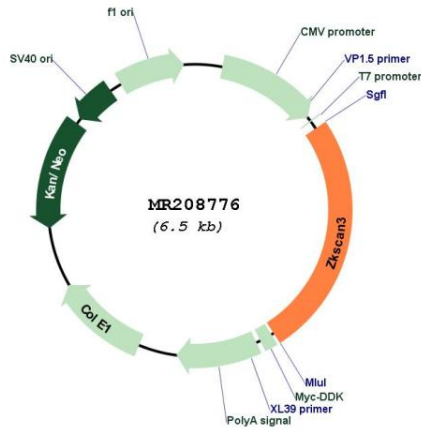
**UniProt ID:** [Q91VW9](#)

**Cytogenetics:** 13 A3.1

**MW:** 62.6 kDa

**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]

**Product images:**



Circular map for MR208776