

Product datasheet for **MR209148**

Zkscan17 (NM_172941) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Zkscan17
Synonyms:	Nizpl; Zfp496; Znf496
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR209148 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCACAGCCCTGTGCCACGAGTCTTGCTCCAAAGGAAAGTGAGGAGCCAGGAAATGAGGAGTC
 CTCCTGGAGAGAACCCAGCCCTCAGGGTGAGCCTCCAGCCAGAGTCTCTCGACGCCTCTCCGCCG
 CTTCCGCTACCAGGAGGCCGAGGCCCTCGGGAGGCCCTGCAGCGCTCTGGGAGCTGTGCCGGGGCTGG
 CTGAGGCTCGAAAGGCACACGAAGGAGCAGATCCTGGAGCTACTGGTGTGGAGCAGTTCTTGCTATCC
 TGCCGTGGGAGATCCAGAGCTGGGTGCGAGCCAGGAGCCTGAGAGCGGAGAGCAGGCTGTGGTGCAGT
 AGAGGCTCTGGAACGGGAGCCAGGGAGACCCTGGCAGTGGCTCAAGCACTGTGAAGACCCGGTGGTGATT
 GACGATGGCGACGGGCTGTGCGCCTCAGGACCTGGAACAAGAACAATGTGACGAGAGTCCAGAGCT
 ACCCTGATGCCCCGCTGGGGCTCTAGTACAGGCACTGGGCTTCTAAGCAGATCACCAGGCCAGCCTAG
 CGAAGACTTAGTTCGCAAGATGCGTTCGTGTCAGGAGCAGAGCATCAGGGATGCCAGCCCGTGGCC
 ACCTGCCAGCTTCCCCGAACCGAGTCTCCCATTTAAGGACATGATTTTATGCTTCTCAGAAGAGGACT
 GGTCCCTTCTGGACCCGGCACAGACTGGTTTCTATGGCGAATTATCATTTGGGGAAGACTATGCAGTCTC
 CATGCTCCAAATGAGCCTCCAGTTCAGCCAGGCCACTCCCATGAAGAGGAGAACGGGTGCGGGTCACA
 GAGTGGACGACAGACCTCCAGGATAAAGAAATCCCCAGGCCCTCTGCTTAGACCTTCCAGCCTCCAGC
 CATTCCAAGGAGAAGAAAGAAAGTGGGAGGAGCTGCAGGTGCCAGAGCTCCAGCCCTGCCACAGGT
 GGTGCTCAGTCAGAGTCCCTGTCCAGCAGGAGGTGACCCGCCAGCCCTCAAGAGCAGTCTGGACAGGAG
 GTGACCATCGAGATCGTGTCTGCTGCTGAGGACTCCAGCACAGCCATACTGCACAGAGG
 AGCTGAGGAGCCCTCCAGAAGACCTGCACAGTGTCCAGCCACCAGAGCAACGCTAGTGTGAGGGGA
 GGTGCAAACTCAGAGAAATCTTACGTGTGCCCAAATGTGGAAAGATCTTCCGCTGGAGGGTCAACTTC
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 ACAGCGAGGACCTGGATGGTACCTAGAGACCCACGAGGCCAGAAGCCCTACAGGTGCACTGCCTGCGG
 GAAGAGCTTCCGCTCAACTCACACCTCATCTCACCGCCGGATCCACCTGCAGCCAGCCAGCCAGCAG
 CCCATGAAGAAGAGTGAGGAGGAACTCTGGAGACAGAGGGCACGGGTGCCAGCGACCTGCTGGAGAAGA
 GCAAAGCCAAGCTGAGCTTCCAGTGTGGGACTGTGAGAAGAGCTTCCAGCGGCATGACCATCTGGTGAG
 ACACCGTAGACACTGTATCTAAAGGATGAGACCCGCTCCCTCCAGTGTGCGTACTGTGTCAAACCTTTC
 CGACAGAATTATGACCTCCTCCGCATGAGCGCCTGCACATGAAGCGACGCTCAAGCAGGCTCTCAACT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

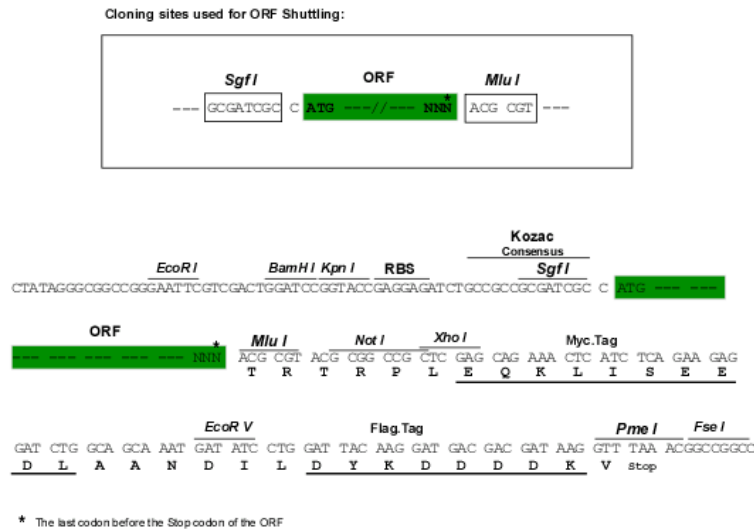
Protein Sequence: >MR209148 protein sequence
 Red=Cloning site Green=Tags(s)

MPTALCPRLAPKESEEPKMRSPGENPSPQGEPPSPSSRRLLFRFRFYQEAAAGPREALQRLWELCRGW
 LRLERHTKEQILELLVLEQFLAILPWEIQSWVRAQEPESGEQAVAAVEALEREPRPWQLKHEDPVVI
 DDGDGPAAPQDLEQERMSAESQSYDAPPALVQGTGLLSRSPGQPSDELVPQDAFVVQEQSIRDAQPVA
 TCQLPPNRVSPFKDMILCFSEEDWSLLDPAQTGFYGEFIIGEDYAVSMPPNEPPVQPGHSHEEENGLRVT
 EWTDLQDKEIPQASCLDLSSLQPFQGEERRKWEELQVPELQPCPVVLSQSPCAGGDPALKSSLDQE
 VTIEIVLSSSGDEDSQHSPYTEELRSPPEDLHSPVPAHQSNASAEQVQTSQKSYVCPNCGKIFRWRVNF
 IRHLRSRREKQPHKCSVCGELFSDSELDGHLETHEAQKPYRCTACGKSFRLNSHLISHRRIHLQPASQ
 PMKKEEETLETEGTGASDLLEKSKAKLSFQCGDCEKSFQRHDLVRHRRHCHLKDETRPFQCRYCVKTF
 RQNYDLLRHERLHMKRRSKQALNSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172941

ORF Size: 1755 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:

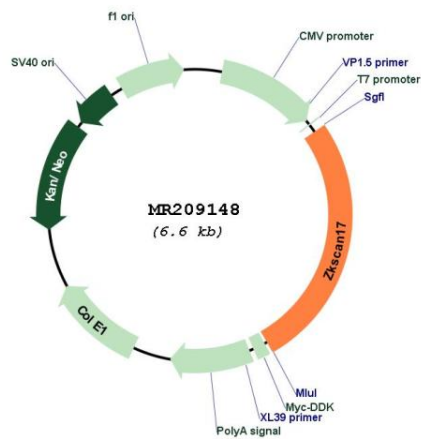
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172941.2](#), [NP_766529.2](#)

RefSeq Size:	4074 bp
RefSeq ORF:	1758 bp
Locus ID:	268417
UniProt ID:	Q5SXI5
Cytogenetics:	11 B1.3
MW:	66.6 kDa
Gene Summary:	DNA-binding transcription factor that can both act as an activator and a repressor. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209148