

## Product datasheet for **MR207820**

### Zkscan1 (NM\_029869) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zkscan1 (NM_029869) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zkscan1
Synonyms:	5930429A01Rik; 9130423L19Rik; 9230118B16Rik; AI646829; AI788588; C87323; KOX18; PHZ-37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207820 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGACTGCTGAGTCAAGGAAACCACAGTCTATCCCCACAGGCTGCACAGGAGAAAGATGGTATAG  
 TTATTGTGAAGGTAGAAGAAGAAGATGAAGAAGACCACATGTGGGGCAGGACTCTAGCCTGCAGGAGAC  
 ACCACCACCCGACCCAGAGGTATTCCGCCAACGGTTCAGGCGCTTCTGTTACCAGAACACTTTTGGCCT  
 CGAGAAGCTTTGAATCGACTAAAGGAACTTGTTCATCAGTGGCTCCGACCAGAAGTCAACAGCAAGGAAC  
 AGATCTTGGAGCTGTTGGTACTGGAGCAGTTCCTGTCCATCCTGCCCAAAGAGCTGCAAGTCTGGCTGCA  
 GGAGTACCGCCTGACAGTGGGGAAGAGGCCGTGACTCTTCTAGAAGACTTGAACCTTGATCTATCGGGA  
 CAGCAGTCCCAGGTCAAGTTCATGGCCCTGAGATGCTTGCCAGGGGTGTGGTGCCTCTGGATCCAGTTC  
 AGGAGTCTCAAGCTTTGACCATCATGAACTGCCAGTCTCATTCAAGCATTCTAGGAAGCCTCG  
 TCTCTTATCCCGAGGCTCTGAGAACAGGAATGGGAATGAGTCAACCTCAAAGGCTGAAGTCAAAGAAGAT  
 TCCACCTCACATGGGAGATAGCAGGGAGATCCAGAAGGAATTTGGAGAGAAACGGGAACAGCAGGGCA  
 GAGTAGTCGAAAGGCAACAGAAAAATCCTGAAGAGAAAACGGCAAGAAAAGAAAGAGCCTGGGCCACC  
 TACAGCCAAGGAAAAAGCCAGCACAGGAGAGCGGGGCCGCGGGAGAAGGTAAGGCTGGGGAGA  
 AGCTTTAGCCTGAGCGCAAACCTTAATAACACCCAGAGGAGGCTCCGTCGGGAGCAAAGACTCACAGAT  
 GCGATGAGTGTGGGAAATGTTTACAAGAAGCTCAAGCCTTATCCGCCATAAAATCATCCACACTGGAGA  
 GAAACCTACGAATGTAACGAGTGTGGCAAAGCCTTCAGTCTCAATCAAACCTTGCTTATCAGCGA  
 ATCCACACGGGAGAGAAACCTCATGAATGTAACGAGTGTGGCAAAGCCTTCAGCCATAGCTCAAATCTCA  
 TCCTGCACCAGCGCATCCACTCTGGAGAGAAGCCCTATGAATGTAACGAGTGTGGCAAAGCCTTCAGCCA  
 GAGCTCAGACCTCAGAAAGCACCAGAGAATCCATACAGGAGAGAAGCCCTATGAATGTAGCGAATGTGGA  
 AAAGCTTTCAACCGAAACTCATACCTTATTTTGCATCGGAGAATTCACACCCGAGAAAAGCCCTACAAGT  
 GCCTAAGTGTGGCAAGGCCCTCACCCGGAGCTCGACCCTCACACTGCACCACAGAATCCATGCCAGAGA  
 GAGAAGCTCAGAATACAGCCAGCCTCTCTGGATGCCTTTGGGGCATTCTGAAAAGTTGTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207820 protein sequence  
 Red=Cloning site Green=Tags(s)

MMAESRETTGLSPQAAQEKDGIIVKVEEEDHMMWGDSSLQETPPDPPEVFRQRFRRFCYQNTFGP  
 REALNRLKELCHQWLRPEVNSKEQILELLVLEQFLSILPKELQVWLQEYRPDSGEEAVTLLEDLELDL  
 SGQQVPGQVHGPEMLARGVVPLDPVQESSFDHHTAQSHFKHSSRKPRLLSRGSENRRNGNESTSKAEVKED  
 STSHGEIAGRFFQKEFGEKREQQGRVVERQKQNPPEKTGKEKKEPPTAKEKPPSTGERGPREKGLGR  
 SFSLSANFNNTPEEAPSGAKTHRCDECGKCFTRSSSLIRHKI IHTGKPYECNECGKAFSLNSNLVLHQR  
 IHTGKPYECNECGKAFSHSSNLILHQR IHSGEKPYECNECGKAFSQSSDLTKHQR IHTGKPYECSECG  
 KAFNRNSYLILHRR IHTREKPYKCTKCGKAFTRSSSTLTLHRR I HARERTSEYSPASLDAFGAFLKSCV

**TR**TRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_029869

**ORF Size:** 1467 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\\_029869.1](#), [NP\\_084145.1](#)
**RefSeq Size:** 8036 bp

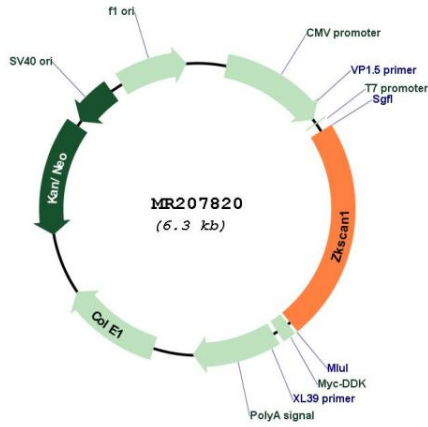
**RefSeq ORF:** 1467 bp

**Locus ID:** 74570

**UniProt ID:** [Q8BGS3](#)

Cytogenetics: 5 G2  
 MW: 55.4 kDa  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207820