

Product datasheet for **RR205808**

Zkscan1 (NM_001025760) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zkscan1 (NM_001025760) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zkscan1
Synonyms:	MGC116363
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205808 representing NM_001025760
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGACTGCTGAGTCAAGGGAAGCCACGGGTCTATCCCACAGGCTGCACAGGAGAAAGATGGTATAG
 TCATTGTGAAGGTAGAAGAAGAAGACGAGGAAGACCACATGTGGGGCAGGACGCTAGCCTTCAGGAGAC
 GCCACCACCCGACCCAGAGGTGTTCCGCCAACGGTTCAGGCGCTTCTGTTACCAGAACACTTTTGGGCTT
 CGAGAAGCTCTAAATCGACTAAAGGAACTTGTGCATCAGTGGCTTCGACCAGAAGTCAACACCAAGGAAC
 AGATCTTGGAGCTGTTGGTACTGGAGCAGTTCCTGTCCATCCTGCCCAAAGAGCTGCAAGTGTGGCTGCA
 GGAGTACCGGCCGTGACAGTGGAGAAGAGGCCGTGACTCTTCTGGAAGACTTGAACCTTGATCTGTCAGGA
 CAGCAGGTCCCAGGTCAAGTTCATGGCCCTGAGATGCTTGCCAGGGGTGTGGTGCCTCTGGATCCAGTTC
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 TCTCTTATCACCCGAGCTCTCCCTGCCACCCAGTTCCTGCCCTCAGCATGAGGGGAATCCCAGAGAC
 CAGGCGATGGCATCTGCACTATTGACCGCAGATCCCAGGCAATGGTGAAGATCGAGGACATGGCCGTGT
 CCCTCATCCTGGAGGAATGGGGATGTCAGAACCCTGGCTCGGAGGAATCTCAATAGGGACAGCAGGCAGAT
 GAATTTGGGAAGTGTGTTTTCCAGGGTCTGAGAACAGGAATGGAAGTGAAGTCAACCTCAAAGCTGAA
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 CCCTGGGCCACCTACAGCCAAGGAAAAGGCCACCACAGGAGAGAGGGGCCAAAGGGAGAAGGGTAAAG
 GGTTTGGGAAGAAGCTTCAGCCTGAGTGCAAACTTTAATAATACTCCCGAGGAGATTCATCAGGAGCAA
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 AGCCTTACGCCAGAGCTCAGACCTCACGAAGCACCAGAGAATCCATACGGGGGAGAAGCCCTATGAATGT
 AGTGAATGTGGAAAAGCTTTCAACCGAACTCATACCTTATTTTGCACCGGAGAATTCATACCCGAGAAA
 AGCCCTACAAGTGCCTAAGTGTGGCAAGGCCTCACCCGAAGCTCAACCTCACACTGCACCATAGAAT
 CCATGCCAGAGAAAAGAGCATCAGAATACAGCCCAGCCTCTCTGGATACCTTTGGAGCATTCTGAAAAGT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

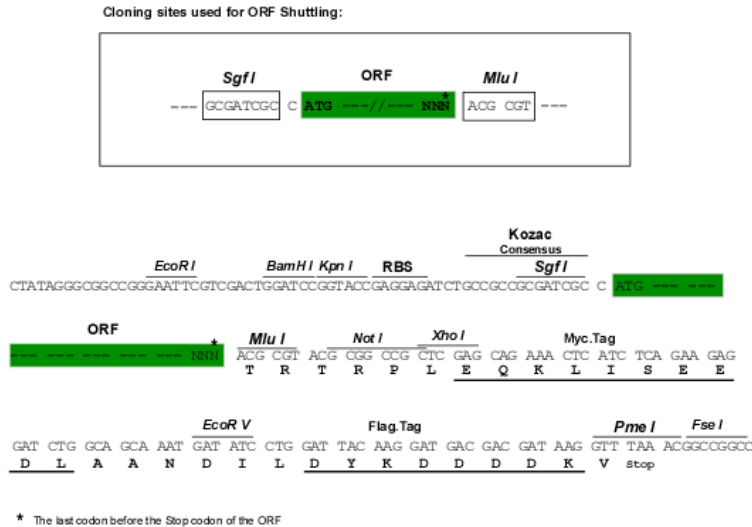
>RR205808 representing NM_001025760
 Red=Cloning site Green=Tags(s)

MMTAESREATGLSPQAAQEKDGIIVKVEEEDHDMWGQDASLQETPPDPPEVFRQRFRRFCYQNTFGP
 REALNRLKELCHQWLRPEVNTKEQILELLVLEQFLSILPKELQVWLQEYRPDSGEEAVTLLEDLELDLSDG
 QQVPGQVHGPEMLARGVVPLDPVQESSFDHHEAAQSHFKHSSRPRLSPRALPATHVPAPQHEGNPRD
 QAMASALLTADSQAMVKIEDMAVSLILEEWGCQNLARRNLRDSRQMNLTGTVFSQGSENRNGSESTSKAE
 VKGDSTSHGEIAGRQKEFGKREQQGRVIERQQKNPEEKTGKEKKAPGPPTAKEKKPTTGERGPREKGG
 GLGRSFSLSANFNNTPEEIPSGAKTHRCDECGKCFTRSSSLIRHKIIHTGEKPYECNECGKAFSLNSNLV
 LHQRIHTGEKPHCEKNECGKAFSHSSNLILHQRIHSGEKPYECNECGKAFSQSSDLTKHQRIHTGEKPYEC
 SECGKAFNRNSYLILHRRIHRTREKPYKCTKCGKAFTRSSLTLLHHRIHARERASEYSPASLDTFGAFLKS
 CV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001025760

ORF Size: 1686 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_001025760.1](#), [NP_001020931.1](#)

RefSeq Size: 3168 bp

RefSeq ORF: 1689 bp

Locus ID: 498160

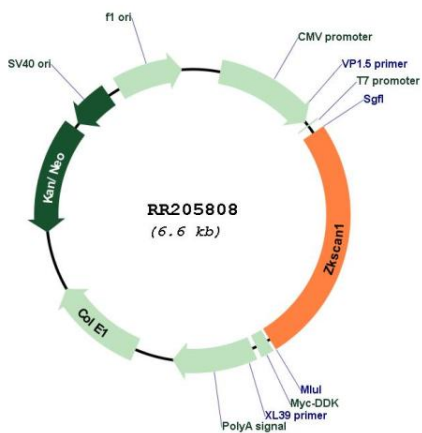
UniProt ID: [Q4KLI1](#)

Cytogenetics: 12q11

MW: 63.4 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR205808