

Product datasheet for **MR221705**

Zscan4b (NM_001185173) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan4b (NM_001185173) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zscan4b
Synonyms:	EG665780
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221705 representing NM_001185173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTCACAGCAGGCACCAGCAAAGACCTTCAGACCAACAATTTAGAGTTTACTCCAAGTATAGTT
 CTGGTGTGCAGTGGGCAGAAAGACATCTCTAACTACCAAGTGCTCAGCTAACTTTCCCAAGTAACAA
 TGGCTGTGGGCAACTCAGGAGCTGCAAAAGTCTCTGGAAGATGTTCAACTCCTGGTTGCAGCCAGAAAAG
 CAGACTAAGGAGCAGATGATTTCTCAATTGGTCTTGGAGCAGTTTCTCCTCACTGGGCACTGCAAGGACA
 AGTATGCTTTGACAGAGAAGTGGAAAGCCAGTGGTAGCGATATGAGGAGATTCATGGAGAGTCTGACTGA
 TGAGTGTGTAAGCCTCCTGTCATGGTCCATGTTTCAATGCAAGGACAAGAAGCCCTCTTTCTGAAAAC
 ATGCCATTAAGAAGTCAAGCTTTTGAACAACAGCAATCTGCAACAAGGCCAATACCAGATAATG
 CACAGATGCCAGTAGACACCACACAAGATAGATTATTGGCCACAGGGCAAGAAAACAGTGAATGAATG
 CAACACCTCTTGCAATGCTACTGAAGTAAATGTTGGTGAAGCTGTAGTGAAATGAAAAGGACTCCCTT
 CTTATTACCCAGAAAAGAACAAACCATGAGCATGAAGAGGGGAATGTTGTTTGTCAATCCCTCGTGGTG
 CCAGAAGAGCAAGTCAAGACACCTCCAGTCATCATGTAGACTTCCCGAGTGCTCTGACTCCTGCAGATGT
 CCCCATGGAGGAACAACCAATGGATTTATCCAGAGAAAACATCTCTGAGGACAAGAACAATTGCTATAAC
 ACTTCCAGGAATGCAGCTACTCAAGTATATAGTGGTGATAATATCCAGGAACAAGACAGACTCCCTTT
 TCATTAACAAGAGAATATATCATCTGAGCCTGAGGTGGGAGATATTCCTTATGGAGTTCCTCAGGATTC
 TACAAGAGCAAGTCAAGGAACATCTACATGCCTGCAAGAGTCACTTGGGAATGTTTTCTGAAAAGAC
 CCAAGGGAGGTACAGGGTTGCAGTCTAGGCAAGAGCAGCCTATCTCTGATCCTGTCCTTGGTAAGAATC
 ATGAGGCAAACCTACCATGTGAAAGTCACTCAAAAGAGATTCCATAGAGATGCCAACTATACAAGTGTGA
 AGAATGTTCTAGGATGTTCAAAACATGCCAGGAGCCTTTCATCCACAGAGAACTCACCTGAATAAGAAG
 AGTGAATTGCTTTCATCACCTGTGAGAAAATATTCAAACGAGTTTCTGACCTTGAACCATGAGATCA
 TACACATGTGAGAAAAGCCTTTCAAGTGCAGCAGATGTGAAAAGTCTTCAGCCACAAGACCAACCTGAA
 GTATCATGAGATGATTACACAGGAGAAATGCCTTATGTCTGTTCCCTATGTAGCCGTGCTTTCGCCAA
 TCATCCACTTACCATCGTCACCTGAGGAATTACCACAGATCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221705 representing NM_001185173
 Red=Cloning site Green=Tags(s)

MASQQAPAKDLQTNNEFTPTDSSGVQWAEDISNSPSAQLNFSNNGCWATQELQSLWKMFNSWLQPEK
 QTKEQMISQLVLEQFLLTGCHKDKYALTEKWKASGSDMRRFMESLTDECLKPPVMVHVMQGEALFSEN
 MPLKEVIKLLKQQSATRPIPDNAQMPVDTTQDRLLATGQENSENECNTSCNATEVNVGESCSGNEKDSL
 LITQKEQNHEHEEGNVVQFPRGARRASQDTSSHVDFFPSALTPADVPMEEQPMDSLRENI SEDKNNCYN
 TSRNAATQVYSGDNIPRNKTDLSFINKRIYHPEPEVGDIPYGVDPQDSTRASQGTSTCLQESLGEFCSEKD
 PREVPGLQSRQEPI SDPVLGKNHEANLPCESHQKRFHRDAKLYKCECSRMFKHARSLSSHQRTHLNKK
 SELLITCQKIFKRVSRLRTHETIIHMEKPFKSTCEKSFHKTNLKYHEMIHTGEMPHYVCSLCSRRFRQ
 SSTYHRHLRNYHRSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9073_e09.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001185173

ORF Size: 1515 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_001185173.1](#), [NP_001172102.1](#)

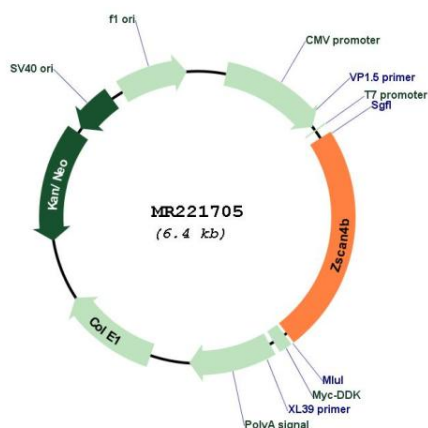
RefSeq Size: 1754 bp

RefSeq ORF: 1518 bp

Locus ID: 665780

Cytogenetics: 7 A1
MW: 57.6 kDa

Product images:



Circular map for MR221705