

## Product datasheet for MR205009

### Zscan22 (BC026676) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan22 (BC026676) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zscan22
Synonyms:	AW227621; D530006B18Rik; Hkr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205009 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGACTGAACTGTCATGGGAAGCGTTTTGCCAAAATCTACCCTTGCCACACTTGTAAACCTGAGA  
GCCACTCAGAGAGCCAGCCAGAACTCCTAGGAGCACTCTGGATGAAGTCTACTGCCCAAGAGATGGATTT  
CAGAAAAGCTCTGGGGCCTCACATGGATGCCCCAAAGACCAGCCTGGCCATGAGTCTAACACCTCAGGA  
AACGGTCCAACATGTGGCCCAACTTCCCTTCCAAGACAAGGCTTCTTCAGAGGAGAAAATTTGGCCCAT  
TACTTGATAATGAGACAGTGCCTCCAGATACTTGCTCAGAGAAGAAATCCTCCAAGGATAGTGAATGTTT  
GAAAACATTCCAGAACACTTCAGCTCTGGAGGCCACCAGAAGAGCCACTCTCAGAAGACGCCCTATGCC  
TGTAAGGACTGCGTGTAAAGAGTGTGGTAAAGCCTTCAGTCGCGTTGCCCACTGACACAGCACCTGAG  
GATTCATACTGGGGAGAAGCCTTATAAATGTGAGGAATGTGGTAAACCTTCAGCCGACACCCACCTC  
ACGCAGCACCGAGTACACACAGGCGAGCGCCCTACGAGTGTGATACTTGGCGCAAAGCCTTCAGCC  
AGAGCACCCACTGACACAGCACCGCATCCACACCGGGGAGAAGCCCTACAGGTGTGATGTGTGTGG  
GAAAGCCTTCAGTGACTGTTTCTGCTCCGGCACCTGAGAGTCCACTCTGGAGAGAAGCCTTATCAA  
TGTAAGGACTGCCGAAGCCTTCGCACAAAGCTCCTCCCTCATTGAGCACCGCAGCTCACACAGGTG  
AAAAGCCTTATAAATGCAGTGACTGTGGGAAAGCTTTTAGCCGACGCTCAGCTCTCATGGTGACCTAAA  
GATCCATATCACCGTGAAGCAGCCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205009 protein sequence  
 Red=Cloning site Green=Tags(s)

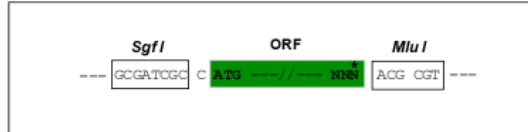
MATETVMGSVLPKSTLAHTCKPESHSESQPELLGALWMKSTAQEMDFRKALGPHMDAPKDQPGHESNTSG  
 NGSNMWPNFPSQDKASSEEFGLLDNETVPPDTCSEKSSKDSECLKTFQNTSALEAHQKSHSQKTPYA  
 CTECGKVF SRSTHLVQHQQVHTGAKPHACKECGKAF SRVAHLTQHRLRIHTGEKPYKCEECGKTF SRSTHL  
 TQHQRVHTGERPYECDTCGKAFSQSTHLLTQHRIHTGEKPYRCDVCGKAFSDCSALVRHLRVHSGEKPYQ  
 CKDCPKAFAQSSSLIEHQRTHTGEKPYKSDCGKAF SRSSALMVHLKIHTVTRSTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** BC026676

**ORF Size:** 1011 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:** [BC026676](#), [AAH26676](#)

**RefSeq Size:** 2099 bp

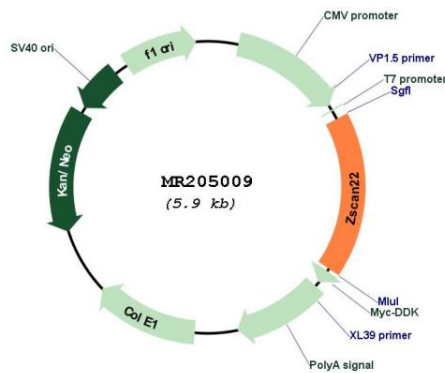
**RefSeq ORF:** 1013 bp

**Locus ID:** 232878

**Cytogenetics:** 7 A1

**MW:** 37.5 kDa

**Product images:**



Circular map for MR205009