

## Product datasheet for **MR230235**

### Zscan22 (NM\_001290436) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan22 (NM_001290436) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zscan22
Synonyms:	AW227621; D530006B18Rik; Hkr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR230235 representing NM\_001290436  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCATCCCCAAGAGCCCTCTGAGCCAGTACTCTGGGAACAGGATAGCTTCCTTCAGGTGAAGGTGA  
 AAGAGGAGGAAGAAGCTAGCGACTCCCCGAGCCAGGAATCCAGCCCTAGCTTTACTGCCACCCTGAGGC  
 TGCACGATTGCGCTTCAGGCACTTCCGCTATGAGGAGGCATCCAGCCCTCATCAGCGCTAGCCAACTG  
 CGAGAGCTATGTTGCCAGTGGCTGAGGCCAGAGTCGTCCTCAAAGAACAGATGCTGGAGTTGCTGGTGC  
 TGGAGCAGTTCTGGGTGCGCTGCCCTGAGATCCAGGCCTGGGTGGTCTCAGTGCCCAAAGAGTGG  
 AAAGGAGGCTGCCGTTCTGGTGGAGGATATGACTCAACTGCTGGACAGGAGAGGATGGGAGCCAGGAGTG  
 GAACGTGAAGAGGCAAGTTGCAAACAGAGCAATACAGATGAATTGGAGCCACCAAAAATGGCGACTGAAA  
 CTGTTCATGGGAAGCGTTTGC AAAATCTACCCTTGCCACACTTGTAACCTGAGAGCCACTCAGAGAG  
 CCAGCCAGAATTCCTAGGAGCACTCTGGATGAAGTCTACTGCCCAAGAGATGGATTTAGAAAAGCTCTG  
 GGGCCTCATATGGATGCCCCAAAGACCAGCCTGGCCATGAGTCTAACACCTCAGGAAACGGTTCCAACA  
 TGTGGCCCAACTCCCTCCCAAGACAAGGCTTCTCAGAGGAGAAATTTGGCCATTACTTGATAATGA  
 GACAGTGCCTCCAGATACTTGCTCAGAGAAGAAATCCTCCAAGGATAGTGAATGTTTGAAAACATCCAG  
 AACACTTCAGCTCTGGAGGCCACCAGAAGAGCCACTCTCAGAAGACGCCCTATGCCTGTACTGAGTGTG  
 GGAAGGTATTCAGTCGGAGCACCCACCTTGCCAAACACAGGTTGTTACACAGGAGCAAAGCCCATGC  
 GTGTAAGAGTGTGGTAAAGCCTCAGTCGCGTTGCCACCTGACACAGCACCTGAGGATTCATACTGGG  
 GAGAAGCCTTATAATGTGAGGAATGTGGTAAAACCTTCAGCCGACGACCCACCTCAGCAGCACCAGC  
 GAGTACACACAGGCGAGCGCCCTACGAGTGTGATACTTGGGCAAAGCCTTCAGCCAGGACCCACCT  
 GACACAGCACAGCGCATCCACACCGGGGAGAAGCCCTACAGGTGTGATGTGTGTGGGAAAAGCCTTCAGT  
 GACTGTTGAGCTCTGGTCCGGCACCTGAGAGTCCACTCTGGAGAGAAGCCTTATCAATGTAGGACTGCC  
 CGAAGGCCTTCGCACAAAGCTCCTCCCTCATTGAGCACCAGCGCACTCACACAGGTGAAAAGCCTTATAA  
 ATGCAGTGACTGTGGAAAGCTTTAGCCGAGCTCAGCTCTCATGGTGCACCTAAAGATCCATATCACC  
 GTGACTCGAAGCACCCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230235 representing NM\_001290436  
 Red=Cloning site Green=Tags(s)

MAIPKSPLSPVLWEQDSFLQVKVEEEEASDSPSQESSPSFTAHPPEARLRFRHFRYEEASSPHQALAL  
 RELCCQWLRPESSSKEQMLELLVLEQFLGALPPEIQAWVGAQCPKSGKEAAVLVEDMTQLLDRRGWEPGV  
 EREEASCKQSNTDELEPPKMATEVMGSLPKSTLAHTCKPESHSESQPEFLGALWMKSTAEQEMDFRKAL  
 GPHMDAPKDQPGHESNTSGNGSNMWPNFPSQDKASSEKFGPLLDNETVPPDTCSEKKSSKDSECLKTFQ  
 NTSALEAHQKSHSQKTPYACTECGKVF SRSTHLVQHVVHTGAKPHACKECGKAFSRVAHLTQHLRIHTG  
 EKPYKCEECGKTF SRSTHLTQHQRVHTGERPYECDTCGKAFSQSTHLTQHQRHTGKPYRCDVCGKAFS  
 DCSALVRHLRVHSGEKPYQCKDCPKAF AQSSSLIEHQRTHTGKPYKSDCGKAFSRSSALMVHLKIHT  
 VTRSTP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

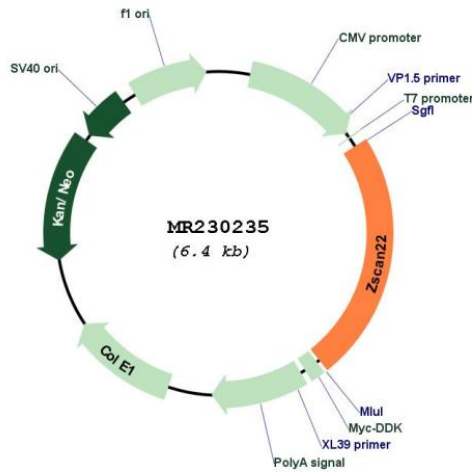
Cloning Scheme:

Cloning sites used for ORF Shutting:



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

Plasmid Map:



ACCN: NM\_001290436

ORF Size: 1488 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\\_001290436.1](#), [NP\\_001277365.1](#)

**RefSeq Size:** 3507 bp

**RefSeq ORF:** 1491 bp

**Locus ID:** 232878

**Cytogenetics:** 7 A1

**MW:** 55.9 kDa