

Product datasheet for **MR212458**

Zscan18 (NM_001017955) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan18 (NM_001017955) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zscan18
Synonyms:	EG232875
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR212458 representing NM_001017955
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCCTTTGGAGAGGGTGTAGCCTCTCCTAGAAGCTCTCCACCCCAACCAGAACCATCTACTCTGC
 GGTCAAAAGATACAGTACAGCAGGAAGAACCTGGCCAGCAGGAGGAACCCATCCAGCAGGAAGGACTCAT
 TAAGCAACAAGAACCTAGCCAGCAGGAGGAATGCAGGAGGCAGGATGAACTCATCCGGAAAAGAACC
 ATCCAGCTGCTGGAACTAGTCAGAGGGAAGAAGCTCAGTGAGCAGCAAGAACCCTAGTCAACAGGATGAGC
 CCAGTCAAGAGGAAGAGTCTGTCCAAGTCAAGAACCAGCCAGTGGGAGAACCTGGCCAAAAGGATGT
 ACCCATGCAGCAGGAAGAACCTATGCAGCAGGATGAGCCAGCCAGTGGGAAGAACCATGCAGCAAGAT
 GAACCCATGCAGCAGGAAGAAGTCAATGCAGCAGACAGAGCCATTGAACAGGATAAGCCCATCCAACAGG
 AAGAAGTCAACCCAGCAGGAGGAGCCATTGAGCAGGATGCTTCCATCCAACGTGAACTCATTATCAGGT
 GAGGCCATCCAGAAGGAATTGATTCTGCGGGAGGAGTTCATTGAGCAGGATAAGTGCACCCAAAAAGAA
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 AGGAATCCAGCCAGCAGGAGGAATCCAGCCAGCAGGAGGAGCTCAGTCAACAGAAGGAGTCTAGCCAGAA
 GGCTCAACCATACCAACAGGAGGAACCCAGCCAACAGCAAGAGCCTAGCCAGAAGGATCAACCCAGCCAG
 CAGGAGGAACCCAGCCAACAGCAAGAGCCTAGTCAGAAAGATCAACCCAGCCAGCAGGAGGAGCTCAGCC
 AACAGGAAGAGCCTAGCCAGAAGGATCAATGCAACCAACAGGAGGAACCCAGCCAACAACAAGAGCCTAG
 CCAGAAGGATCAACCAACCAACAGGCAGAACTCAGCCAACAGGAAGAGCCTAGCCAGAAGGATCAATGC
 AACCAACAGGAAGAGCCTAGCCAGAAGGATCAATGCAACCAACAGGAAGAGCCTAGCCAGAAGGATCAAC
 CCAACCAAGGAAGAGCCTAGCCAGTGAAGGAACAGAAACCATCACTGAGAGATCTGCTGCTGACCT
 CGAGTTTTCCCGCTCCGCTCCGGGAGTTTGTCTACCAGGAGGCAGCTGGGCCTACCAGACTTTGGCC
 AGGCTTATGAGCTATGCCGCCAGTGGCTGAGGCCGAGGCCTGCTCCAAGAGCAGATCCTGGAGCTGC
 TCGTTCTGGAGCAGTTCTGGGCATCTTCCAGACAGGGTCCGTCCTGGGTGGTAGCCAGTATCCCGA
 GAATTGCAAGAAAGCTGCCTCCCTGGTGGAGGGTATCTCTGACATCCTGGAGGAGCCAGGAATGATGTTG
 TGTTCCCGGGTGGTGCATCATCGTCATTGAGCGAGGGAGACTATGAGAGGTGCTCTGAGCCCTGCTGC
 TACCATGTGGGTGCTAAGTCTAACAGAACTTAAGACCTAGGGACATCCTGGTACGCCGTGATACTTC
 TCCCCTTCTACCAGCTTGGCCTACTCTGGAATCTGTGCATTTGGATCAAGAGCGTACAGAGGGAGAAAAG
 AGTAAAGAGGCCAACGCTGCCACAGCTGAGCTGAAGGGCCTCTACAGTCGGAATGGGACCACCTGGATC
 CCACAGAGGATAACCTGACGAGTTACAGCAAGCTGCTCCTGTGGGGGTGTGAGTTTTCCAGGCTGGTCC
 AACTTCCATGCTGGAGACAGAGGAACCTTGTGCGGTGGAAAACCTGCCAGGGGGCAGCCTCCAGACAGC
 ACCAGGCAGCAGGAAAGCAAAGGAAATGTGTGTGAGGAAGTCTCCCTGGGGGAGACACTGATGGAGAGTC
 TTTGAGGGGATGTTCTGTAGTGTCTCAATAGATACTGCCCTGGAGGAGGAACAGCAACCTCAGAAGGC
 TCTGGATGCCGAGGGTGAAGATTCAAGCCCTGCCAGTCCCAGAGGCAATCAGTCATCCAGCAGTCAGCC
 CAGGACAAGGATAGGCCACATCAAGGCACTGGGACAAAGAGGCCCATCCAGATGACGAGGATGAAATGG
 CCCCTGAGTGTCTTCCAGCACCAGCAGCTACCAGCTGCCATTTGATGCAGGGAAAGTGTTCATGTGGA
 TGGTCATGATTCTGGGCAGGACTCAGAACTTCTGCTGGGGGATGCTCTCAGCTGATAAGTCTGATGCA
 TCTCAAGGGAAGCCCTACACATGCAGTGAATGTGGGGAGGCCTTTGCATGGATCTCAACCTTATGGAGC
 ATCACAAGAGTATGGCAGTGAGACATGCTATGTGAGCCAGGGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212458 representing NM_001017955
 Red=Cloning site Green=Tags(s)

MLPLERVLASPRSSPPQPEPSTLRSKDTVQQEEPGQQEETIQEGLIKQQEFSQQEECRRQDELIRKEEP
 IQLLETSQREELSEQEFSQQDEPSQEEESVQLQEPSQWGEFGQKDVPMQQEPMQQDEPSQWEEPQQD
 EPMQQEELMQQTEPIEQDKPIQQEELTQQEPIQQDASIQREL IHQVRPIQKELILREEFIQQDKCTQKE
 EF IQQEKPIQQVRFSEQEFSQQEESQQEESQQEELSQQKESSQKAQPYQQEFSQQEFSQKQDPSQ
 QEFSQQEFSQKQDQPSQQEELSQQEFSQKQDQCNQQEFSQQEFSQKQDQPNQQAELSQQEFSQKQDQ
 NQQEFSQKQDQCKQQEFSQKQDQPNQQEFSQKQDQCNQQEFSQQEFSQKQDQPNQQAELSQQEFSQKQDQ
 RLHELRCRQWLRPEACSKQIPELLLVLEQFLGILPDRVRPWVAQYPENCKKAASLVEGISDILEEPGMMML
 CSPGGSSSFSEGDYERCPEPLLLPCGLLSPNRNLRPRDILVRRDTSPLLPWPTLESVHLDQERTEGK
 SKEANAATAELKGPLQSEWDHLDPTEDNLTYSKLLLWGCQFSQAGPMSMLETEEPCAVENLPGGSLPDS
 TRQQESKGNVCEEVSLGETLMESLSGDVPVSASIDTALEEEQQPQKALDAEGEDSSPASPQRQSVIQQSA
 QDKDRPHQGTGTRPHPDDEDEMAPECLSSSTSSYQLPFDAGKVLHVDGHDGSGQDSGTSAGGCSSADKSDA
 SQGKPYTCSECGEAFAWISNLMEHHKSHGSETCYVSQGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001017955

ORF Size: 2427 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_001017955.3](#)

RefSeq Size: 3626 bp

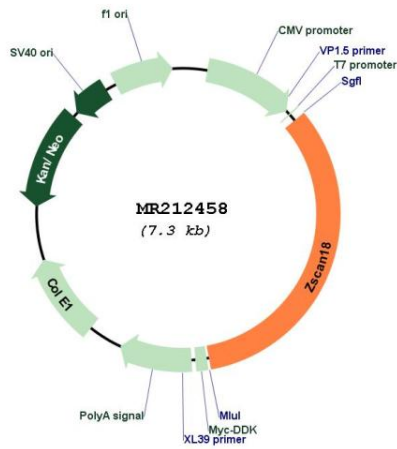
RefSeq ORF: 2430 bp

Locus ID: 232875

Cytogenetics: 7

MW: 91.7 kDa

Product images:



Circular map for MR212458