

Product datasheet for **MR204474**

Sox12 (BC067019) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox12 (BC067019) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sox12
Synonyms:	2010205A02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204474 representing BC067019 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCAGCAGCGGGCGCGGGGCCAAGCGGGACGGCGGGCCGCCGCCCCGGGGCCCGGGCCGGCCG
 CCGAGGGGGCGCGCAGCCAGGCTGGTGAAGACCCGAGCGGCCACATTAAGCGCCGATGAACGCGTT
 CATGGTGTGGTCGCAGCACGAGCGGAGAAAAATCATGGACCACTGGCCGACATGCACAACGCTGAGATC
 TCCAAGCGCCTGGGCGCCGCTGGCAGCTGCTGCAGGACTCGGAGAAGATCCCGTTCGTGCGGGAGGCGG
 AGCGGCTGCGCCTCAAGCACATGGCGGACTACCGGACTACAAGTACCGCCTCGCAAGAAGAGCAAGGG
 GCGCCCCGCCAAGGCGCGGCCCGCCCCCGGAGGCGGCGGTGGTGGCAGTCGGCTGAAACCCGGGCCA
 CAGCTGCCGGGCCGCGGGGGCCGCCGAGCGTCGGGAGGACCTCTGGGGGGCGGCGCGGCGGCCGAGG
 ACGACGACGAAGACGAAGAGGAGGAGCTGCTGGAAGTACGCTGCTGGAGACCCCGGGCGCGAGCTGTG
 GAGGATGGTCCCGCGGGGCGCGCCCGCCGCGGACCCGCGGAGCGCGCAGGGGCCATCCGGCAGGGG
 GCGGCCGCCAGCGCCGCTCTCCGACCTGTCCGAGGACGAGGAGCCGGAGGAAGAGGAGGAGGAGCGG
 CTACAGCAGAGGAGGGCGAAGAGGAGACGCTGGTATCTGGGGAGGAGCCACTGGGCTTTCTGTCCAGGAT
 GCCCCCGGGCCCCGCGGCTGGACTGCAGTGCCCTGGACCGTGACCCGACCTGCTGCCCTTCGGGC
 ACGTCACATTTGAATTCGCGACTATTGACCCCGAGGTTACCGAGATGATCGCAGGGGACTGGCGCT
 CGTCTAGTATCGCCGACCTGGTTTTCACCTAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR204474 representing BC067019
 Red=Cloning site Green=Tags(s)

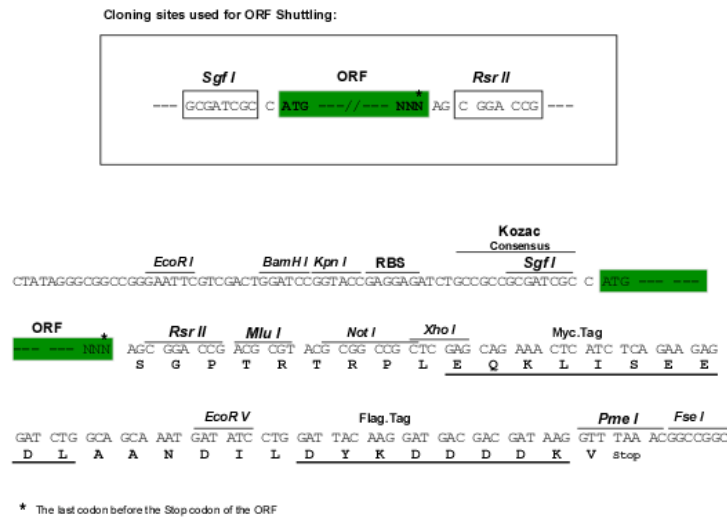
MVQQRGARAKRDGGPPPGPGPAAEGAREPGWCKTPSGHIKRPMAFMVWSQHERRKIMDQWPMHNAEI
 SKRLGRRWQLLDSEKIPFVREAERLRLKHMADYPDYKYPKRSKGAAPAKARPRPPGGGGGSRLLKPGP
 QLPGRGRRASGGPLGGGAAAPEDDDDEEEELLEVRLLETPGRELWRMVPAGRAARGPAERAQGPSGEG
 AAASASPSTLSEDEEPEEEEEAAATAEEGEEETVVSGEELGLSRMPPGPAGLDCSALDRDPDLLPPSG
 TSHFEFPDYCTPEVTEMIAGDWRSSSIADLVFTY

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9058_e07.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: BC067019

ORF Size: 942 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: [BC067019.1](#)

RefSeq Size: 4199 bp

RefSeq ORF: 944 bp

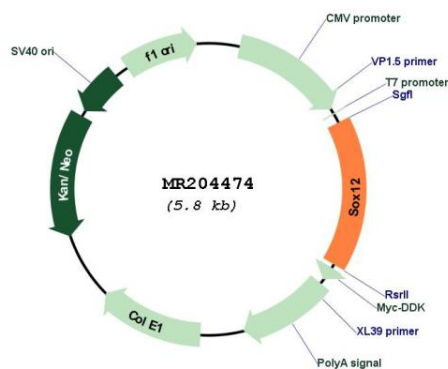
Locus ID: 20667

Cytogenetics: 2 G3

MW: 34.1 kDa

Gene Summary: Binds to the sequence 5'-AACAAT-3'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204474