

Product datasheet for **MR207005**

Sox4 (NM_009238) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox4 (NM_009238) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sox4
Synonyms:	AA682046; Sox-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207005 representing NM_009238
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTACAACAGACCAACAACCGGGAGAACACTGAGGCTCTGCTGGCCGGGAGAGCTCGGACTCGGGCG
 CCGGCCTGGAGCTGGGCATCGCGTCTCCCGACGCCTGGCTCCACCGCTCGACGGGCGCAAGGCGGA
 CGACCCAGCTGGTGCAAGACGCCAGTGGCCACATCAAGCGGCCATGAACGCCTTTATGGTGTGGTCCG
 CAGATCGAGCGCGCAAGATCATGGAGCAGTCGCCGACATGCACAACGCCGAGATCTCCAAGCGGCTAG
 GCAAACGCTGGAAGCTGCTCAAGGACAGCGACAAGATTCGTTTCCAGGAGGCGGAGCGGCTGCGCCT
 CAAGCACATGGCTGACTACCCTGACTACAAGTACCGGCCGCGAAAGAAGTGAAGTGGGCAACGCGGGC
 GCGGGATCGGCGGCCACAGCCAAGCCAGGGGAGAAGGGCGACAAGTTCGCGGGCAGCAGCGGCCACGCG
 GAAGCAGCCACGCGGGGGTGGCGGGCGGCAGCTCCAAGCCCGGCCAAGAAGAGCTGTGGCCCAA
 GGTGGCGGGCAGCTCGGTCGGCAAGCCACGCTAAGCTGGTCCCGCGGGCGGCAGCAAGGCGGCTGCA
 TCGTTCTCTCCAGAGCAAGCTGCCCTGCTGCCCTGGGGAGCCACGGCCGTCTACAAGGTGCGGACTC
 CAGTGCGGCCACTCCGGCCGCCTCCTCCTCGCCGTCCAGTGCCTGGCCACCCAGCCAAACACCTGC
 CGACAAGAAAGTGAAGCGCTTACCTGTTTGAAGCCTGGGCGCTTCGGCGTCTCCCGTGGGGGCGCTG
 GGAGCGAGCGCCAGCCAGTATCCACTGGGTTGTACGAAGATGGAGGCCCGGATGCTCGCCCGATG
 GCCGGAGTCTGAGCGGCCGAGCAGCGCAGCATCATCGCCAGCCGCCAGCCGATCGCCCGCTGACCACCG
 CGGCTACGCCAGCCTACGCGCAGCCTCGCCGCCCGTCCAGCGCCCTCGCACGCTCCTCCTCGTC
 TCCTCGTCTCTCCTCCTCCTCGGCTCTTCGTGTCGACGACGAGTTCGAAGACGACCTGCTCGACC
 TGAACCCAGCTCAAACCTTTGAGAGCATGTCCCTGGGCAGTTTCAGTCTCCTCATCGGCGCTCGATCGGA
 CCTGGATTTTAACTTCGAACCCGCTCAGGCTCCCACTTCGAATTCGCGACTATTGCAGCCCGAGGTG
 AGCGAGATGATCTCGGAGATTGGCTGGAGTCCAGCATCTCTAACCTGGTCTTACCTAC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207005 representing NM_009238
 Red=Cloning site Green=Tags(s)

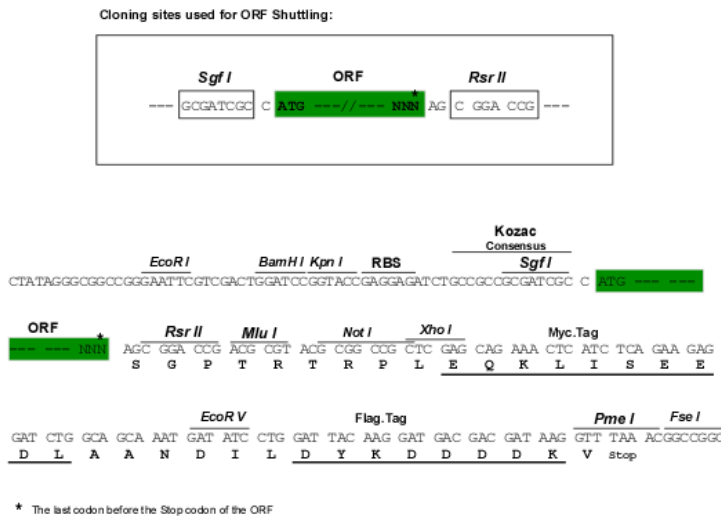
MVQQTNNAENTEALLAGESSDSGAGLELGIASSPTPGSTASTGGKADDPSWCKTPSGHIKRPMAFMVWS
 QIERRKIMEQSPDMHNAEISKRLGKRWLLKDSKIPFIQEAERLRLKHMADYPDYKYRPRKKVKSNGAG
 AGSAATAKPGKEGDKVAGSSGHAGSSHAGGGAGGSSKPPAPKSCGPKVAGSSVKGPHAKLVPAGGSKAAA
 SF SPEQAALLPLGEPTAVYKVRTPSAATPAASSPSSALATPAKHPADKKVKRVYLFGLGASASPVGGL
 GASADPSDPLGLYEDGGPGCSPDGRSLSGRSSAASSPAASRSPADHRGYASLRAASPAPSSAPSHASSSL
 SSSSSSSGSSSDDEFEDLLDLNPSNFEESMLGSFSSSALDRDLDFNFEPGSGSHFEFPDYCTPEV
 SEMISGDWLESSISNLVFTY

SGP**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_009238

ORF Size: 1320 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

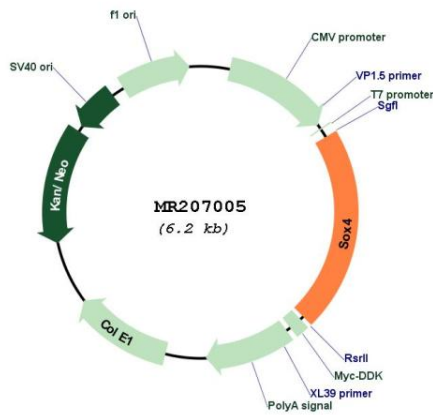
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_009238.3](#)

RefSeq Size:	2969 bp
RefSeq ORF:	1323 bp
Locus ID:	20677
UniProt ID:	Q06831
Cytogenetics:	13 12.87 cM
MW:	45.5 kDa
Gene Summary:	Transcriptional activator that binds with high affinity to the T-cell enhancer motif 5'-AACAAAG-3' motif.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207005