

Product datasheet for MR206174

Sox11 (NM_009234) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sox11 (NM_009234) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sox11
Synonyms: 1110038H03Rik; 6230403H02Rik; AI836553; end1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR206174 representing NM_009234
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCAGCAGGCCGAGAGCTCGGAAGCCGAGAGCAACCTGCCCGGGACGCGCTGGACACCGAGGAGG
 GCGAGTTCATGGCGTGCAGCCCGGTGGCCCTGGACGAGAGCGACCCGGACTGGTGAAGACGGCGTCGGG
 CCACATCAAACGGCCCATGAACGCCTTCATGGTGTGGTCCAAGATCGAGCGCAGGAAGATCATGGAGCAG
 TCGCCCGACATGCACAACGCCGAGATCTCAAGAGGCTGGCAAGCGCTGGAAGATGCTGAAGGACAGCG
 AGAAGATCCCCTTCATCAGGGAGGCGGAGCGCCTGCGCCTCAAGCACATGGCTGATTATCCCGACTACAA
 GTACCGGCCGCGCAAAAAGCCCAAGACGGACCCAGCGGCCAAGCCAGCGCGGGCCAGAGCCCGACAAG
 AGCGCGCGCGGCCCAAGGCAGCCAAGGGCCCCGCAAGAAGTGCGCCAAGCTCAAGGCGCTGCGGGCA
 AGGCGGGCGCGGCCAAGGCGGCGCAGCCGGGGACTGCGCCGCGGCCAAGGCAGCCAAGTGCCTTCTCT
 GGACGACGACGATGAAGACGACGACGAAGATGACGAGCTGCAGCTACGGCCCAAGCCGGACGCTGACGAC
 GACGACGACGAGCCCGCACTCGACCTGCTGCCGCGCCGACGACGAGCAACCCCTCAGCTGCTGA
 GGCCTACAGCGTGGCCAAGGTCCCCGCGACCCACGCTCAGCAGTCCCGCCGAGTCCCCGAGGGCGC
 GAGCCTGTACGACGAAGTGCAGCGGGCGCGGCTCTACTACAGTTCAAGAACATCACAAGCAGCAG
 CCTCCGCCGCGCTCCCGCTGTCGCGCGCTCCTCCCGCTGCGTGTCCACCTCTCCAGCGGCA
 GCAGCAGCGGCAGCGGCCGAGGATGCAGACGACCTCATGTTTCGACCTGAGCTTGAATTTCTCCAGGG
 CGCGCACAGCGCCTGCGAGCAGCCACTGGCGCGGGAGCGGGGAACTGTCCCTGTCGCTGGTGGAT
 AAGGACCTGGATTCTTCAGCGAGGGCAGCCTGGGTTCCCACTTCGAGTTCCCCGACTACTGCACGCCGG
 AGCTGAGCGAGATGATCGCGGGGACTGGCTGGAGGCGAACTTCTCCGACCTGGTGTTCACGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206174 representing NM_009234
 Red=Cloning site Green=Tags(s)

MVQQAESSEAESNLPRDALDTEEGEFMACSPVALDESDPDWCKTASGHIKRPMNAMVWSKIERRKIMEQ
 SPD MHNAEISKRLGKRWKMLKDSEKIPFIREAERLRLKHMADYPDYKYRPRKKPKTDPAAKPSAGQSPDK
 SAAGAKAAKGP GK KCAK LKAPAGKAGAGKAAQPGDCAAGKAAKCVFLDDDDDEDDDELQLRPKPDADD
 DDDEPAHSHLLPPPTQQQPPQLLRRYSVAKVPASPTLSSAAESPEGASLYDEV RAGRL YYSFKNITKQQ
 PPPAPPALSPASSRCVSTSSSSGSSGSAEDADDLMFDLSLNF SQGAHSACEQPLGAGAAGNLSLSLVD
 KDLDSEFSEGLGSHFEFPDYCTPELSEMIAGDWLEANFSDLVFTY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009234

ORF Size: 1185 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_009234.6](#)

RefSeq Size: 7497 bp

RefSeq ORF: 1188 bp

Locus ID: 20666

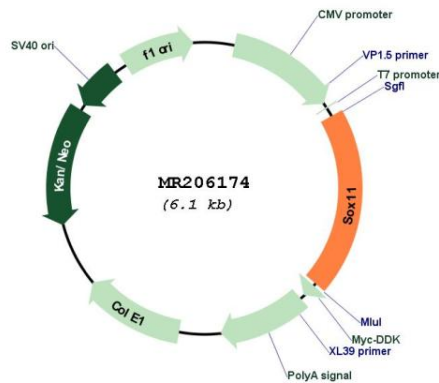
UniProt ID: [Q7M6Y2](#)

Cytogenetics: 12 A2

MW: 43.1 kDa

Gene Summary: Transcriptional factor involved in the embryonic neurogenesis. May also have a role in tissue modeling during development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206174