

Product datasheet for **MG206174**

Sox11 (NM_009234) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sox11 (NM_009234) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sox11
Synonyms: 1110038H03Rik; 6230403H02Rik; AI836553; end1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206174 representing NM_009234
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCAGCAGGCCGAGAGCTCGGAAGCCGAGAGCAACCTGCCCGGGACGCGCTGGACACCGAGGAGG
 GCGAGTTCATGGCGTGCAGCCCGGTGGCCCTGGACGAGAGCGACCCGGACTGGTGAAGACGGCGTCGGG
 CCACATCAAACGGCCCATGAACGCCTTCATGGTGTGGTCCAAGATCGAGCGCAGGAAGATCATGGAGCAG
 TCGCCCGACATGCACAACGCCGAGATCTCAAGAGGCTGGCAAGCGCTGGAAGATGCTGAAGGACAGCG
 AGAAGATCCCCTTCATCAGGGAGGCGGAGCGCCTGCGCCTCAAGCACATGGCTGATTATCCCGACTACAA
 GTACCGGCCGCGCAAAAAGCCCAAGACGGACCCAGCGGCCAAGCCAGCGCGGGCCAGAGCCCGACAAG
 AGCGCGCGCGGCCCAAGGCAGCCAAGGGCCCCGCAAGAAGTGCGCCAAGCTCAAGGCGCCTGCGGGCA
 AGGCGGGCGCGGCCAAGGCGGCGCAGCCGGGGACTGCGCCGCGGGCAAGGCAGCCAAGTGCCTCTTCT
 GGACGACGACGATGAAGACGACGACGAAGATGACGAGCTGCAGCTACGGCCCAAGCCGGACGCTGACGAC
 GACGACGACGAGCCCGCACTCGCACCTGCTGCCGCGCCGACGACGACGCAACCCCTCAGCTGCTGA
 GGCCTACAGCGTGGCCAAGGTCCCCGCCAGCCCCACGCTCAGCAGTGCCCGGAGTCCCCGAGGGCGC
 GAGCCTGTACGACGAAGTGCAGCGGGCGCGGCTCTACTACAGTTCAAGAACATCACAAGCAGCAG
 CCTCCGCCGCGCTCCCGCGTGTGCGCCGCTCCTCCCGTGGTGTCCACCTCTCCAGCGGCA
 GCAGCAGCGGCAGCGGCCCGAGGATGCAGACGACCTCATGTTTCGACCTGAGCTTGAATTTCTCCAGGG
 CGCGCACAGCGCCTGCGAGCAGCCACTGGCGCGGGAGCGGGGGAACCTGTCCCTGTCGCTGGTGGAT
 AAGGACCTGGATTCTTCAGCGAGGGCAGCCTGGGTTCCCACTTCGAGTTCCCGACTACTGCACGCCGG
 AGCTGAGCGAGATGATCGCGGGGACTGGCTGGAGGCGAACTTCTCCGACCTGGTGTTCACGTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206174 representing NM_009234
 Red=Cloning site Green=Tags(s)

```
MVQQAESSEAESNLPRDALDTEEGEFMACSPVALDESDPDWCKTASGHIKRP MN AFMVWSKIERRKIMEQ
SPDMHNAEISKRLGKRWKMLKDSEKIPFIREAERLRLKHMADYPDYKYRPRKKPKTDPAAKPSAGQSPDK
SAAGAKAAKGP GK KCAK LKAPAGKAGAGKAAQPGDCAAGKAAKCVFLDDDDDDDDDELQLRPKPDADD
DDDEPAHSHLLPPPTQQQPPQLLRRYSVAKVPASPTLSSAAESPEGASLYDEV RAGRL YYSFKNITKQQ
PPPAPPALSPASSRCVSTSSSSGSSGSAEDADDLMFDLSLNF SQGAHSACEQPLGAGAAGNLSLSLVD
KDLDSFSEGLSGSHFEFPDYCTPELSEMIAGDWLEANFSDLVFTY
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

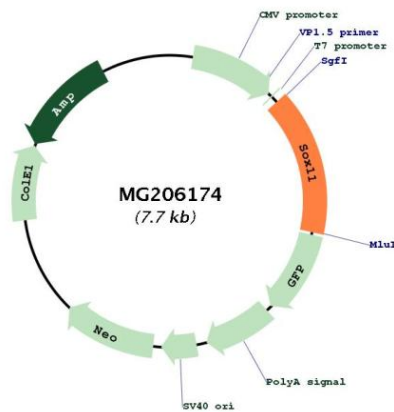
Locus ID: 20666

UniProt ID: [Q7M6Y2](#)

Cytogenetics: 12 A2

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 MG206174