

## **Product datasheet for RG220681**

## SOX11 (NM\_003108) Human Tagged ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** SOX11 (NM\_003108) Human Tagged ORF Clone

Tag: TurboGFP

**Symbol:** SOX11

**Synonyms:** CSS9; MRD27

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

**E. coli Selection:** Ampicillin (100 ug/mL)

ORF Nucleotide >RG220681 representing NM\_003108

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGTGCAGCAGGCGGAGAGCTTGGAAGCGGAGAGCAACCTGCCCCGGGAGGCGCTGGACACGGAGGAGG GCGAATTCATGGCTTGCAGCCCGGTGGCCCTGGACGAGAGCGACCCAGACTGGTGCAAGACGGCGTCGGG CCACATCAAGCGGCCGATGAACGCGTTCATGGTATGGTCCAAGATCGAACGCAGGAAGATCATGGAGCAG TCTCCGGACATGCACAACGCCGAGATCTCCAAGAGGCTGGGCAAGCGCTGGAAAATGCTGAAGGACAGCG AGAAGATCCCGTTCATCCGGGAGGCGGAGCGGCTGCGGCTCAAGCACATGGCCGACTACCCCGACTACAA GTACCGGCCCCGGAAAAAGCCCAAAATGGACCCCTCGGCCAAGCCCAGCGCCAGAGCCCAGAGAAAG GTCCGGGGACTACGGGGGCGCGGCGACGACTACGTGCTGGGCAGCCTGCGCGTGAGCGGCTCGGGCGGC GCCGCCGGGGCAGCCGTCGCAGCTGCTGAGACGCTACAACGTCGCCAAAGTGCCCGCCAGCCCTACG CTGAGCAGCTCGGCGGAGTCCCCCGAGGGAGCGAGCCTCTACGACGAGGTGCGGGCCGGCGCGACCTCGG GCGCCGGGGGCGCCACCCCCTCTACTACAGCTTCAAGAACATCACCAAGCAGCACCCGCCGCCGCTCGC AGCGGCAGCGGCGAGGACGCCGACGACCTGATGTTCGACCTGAGCTTGAATTTCTCTCAAAGCGCGC ACAGCGCCAGCGAGCAGCTGGGGGGGCGCGCGGCGGGAACCTGTCCCTGTCGCTGGTGGATAA GGATTTGGATTCGTTCAGCGAGGGCAGCCTGGGCTCCCACTTCGAGTTCCCCGACTACTGCACGCCGGAG CTGAGCGAGATGATCGCGGGGGACTGGCTGGAGGCGAACTTCTCCGACCTGGTGTTCACATAT

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** 

>RG220681 representing NM\_003108
Red=Cloning site Green=Tags(s)

MVQQAESLEAESNLPREALDTEEGEFMACSPVALDESDPDWCKTASGHIKRPMNAFMVWSKIERRKIMEQ SPDMHNAEISKRLGKRWKMLKDSEKIPFIREAERLRLKHMADYPDYKYRPRKKPKMDPSAKPSASQSPEK SAAGGGGGSAGGAKTSKGSSKKCGKLKAPAAAGAKAGAGKAAQSGDYGGAGDDYVLGSLRVSGSGG GGAGKTVKCVFLDEDDDDDDDDDLQLQIKQEPDEEDEEPPHQQLLQPPGQQPSQLLRRYNVAKVPASPT LSSSAESPEGASLYDEVRAGATSGAGGGSRLYYSFKNITKQHPPPLAQPALSPASSRSVSTSSSSSSSS SGSSGEDADDLMFDLSLNFSQSAHSASEQQLGGGAAAGNLSLSLVDKDLDSFSEGSLGSHFEFPDYCTPE LSEMIAGDWLEANFSDLVFTY

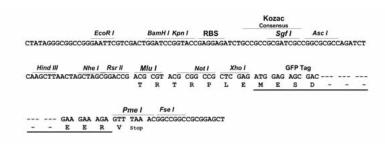
SGPTRTRRLE - GFP Tag - V

**Restriction Sites:** 

Sgfl-RsrII

**Cloning Scheme:** 





**ACCN:** NM\_003108

ORF Size: 1323 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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <u>More info</u>



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:** <u>NM 003108.4</u>

 RefSeq Size:
 8737 bp

 RefSeq ORF:
 1326 bp

 Locus ID:
 6664

 UniProt ID:
 P35716

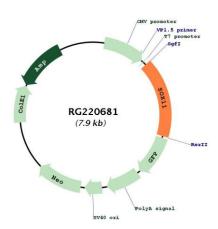
 Cytogenetics:
 2p25.2

**Protein Families:** ES Cell Differentiation/IPS, Induced pluripotent stem cells

Gene Summary: This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of

transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. The protein may function in the developing nervous system and play a role in tumorigenesis. [provided by RefSeq, Jul 2008]

## **Product images:**



Circular map for RG220681