

Product datasheet for **RR206922**

Sox18 (NM_001024781) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox18 (NM_001024781) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sox18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206922 representing NM_001024781 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAGATCGCCGCCGGCTACGGCGCACAGGACGACCCGCCCTCCCGCCGACTGTGCATGGGCC
CCGACTCGGGCCGCTGCTGAGCCGCGCGCCTCCCGGTACCAACGTCTCGCTACCTCGCTGCCTC
GCCGTCCAGCCTCCGCGGAGCCACCCGCGAGCCCGAATCAGGGCGCTATGGCTTTGGCCGGGAGAG
CGCCAAACGGCCGACGAGTTGCGCATCCGGCGGCCATGAACGCCTTTATGGTGTGGCGAAGGACGAGC
GCAAGCGACTGGCGCAACAAAATCCGGATCTCCACAACGCAGTGTGAGCAAGATGCTGGGCAAAGCGTG
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CGCGACCATCCAACTACAAGTACCGGCCCTCGCCGCAAAAAACAGGCGCGCAAGGTCCGGAGGCTGGAGC
CTGGCCTCTTGCTCCCGGCCCTCGTGCAGCCGTCTGCGCCGCGGAACCTTCGCTGCAGCATCAGGCTC
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CGCTCGCCTCTGGACGGCTGGAGTCTGGCGAGGCTCCTTCTCCACCGCCTTGGCGCCGAGGACT
GCGCTCTGCGGGCTTCCGGCGCCCTATGCCCGGAGCTGGCACGGGACCCGAGCTTCTGCTACGGGTC
ATCCCTGGCTGAGGCGCTCAGGACAGCGCCGCTGCCGCGCGCTCGCGGGCTCTACTATGGCACCTG
GGCACTCCGGGCCGTTTCCCAATCCTCTGTACCACCACCTGAGGCCCGTCTCTTGAGGGCACAGAGC
AATTGGAGCCTACCGCCGACCTTTGGGCGGATGTGGACCTCACCGAATTCGATCAGTATCTCAATTGCAG
CCGGACTCGACCGGATGCCACTGCACTCCCTACCATGTGGCACTGGCCAAACTAGGTCCCGTGCCATG
TCCTGTCCAGAGGAAAGCAGCCTCATTTCTGCACTGTCTGACGCCAGCAGCGGCTCTATTACAGCGCTT
GCATCTCAGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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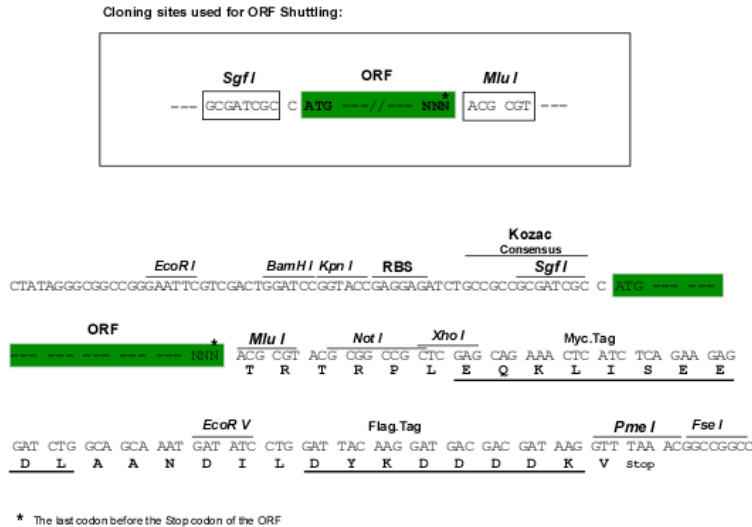
Protein Sequence: >RR206922 representing NM_001024781
Red=Cloning site Green=Tags(s)

MQRSPPGYGAQDDPPSRRDCAWAPGLGAAAEPRLPVTNVSPSPASPSSLRSPRSPESGRYGFGRGE
 RQTADELRIRRPMAFMVWAKDERKRLAQONPDLHNAVL SKMLGKAWKELNTAEKRPFVEEAERLRVQHL
 RDHPNRYRPRKKQARKVRRLEPGLLLPGLVQPSAPPEPFAAASGSARSFRELPTLGAEFDGLGLPTPE
 RSPLDGLSEGEASFFPPPLAPEDCALRAFAPYAPELARDP SFCYGSSLAELRTAPPAAPLAGLYYGTL
 GTPGPFNPPLSPPPEAPSLEGTEQLEPTADLWADVDLTEFDQYLNCSTRPDPATLPHYVALAKLGPRAM
 SCPEESSLISALSDASSAVYYSACISG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001024781

ORF Size: 1131 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_001024781.1](#), [NP_001019952.1](#)

RefSeq Size: 1643 bp

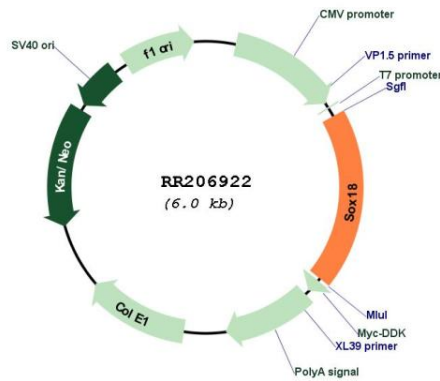
RefSeq ORF: 1134 bp

Locus ID: 311723

Cytogenetics: 3q43

MW: 40.9 kDa

Product images:



Circular map for RR206922