

Product datasheet for **RR200704**

Sox17 (NM_001107902) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox17 (NM_001107902) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sox17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR200704 representing NM_001107902 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCCGGATGCGGGATACGCCAGTGACGACCAGCCAGCCTCGGAGCGCGCAGCCCGGGTGA
TGGCCGGTTGGGCCCTGTCCCTGGCCGAGTCCCTGAGCTCTCTCGGGGACGTAAGGTGAAAGGAGA
GGTGGTGGCGAGTAGCGGGCGCCAGCCGGGACCTCGAGTCGAGCCAAAGCCGAGTCTCGCATCCGGCGG
CCGATGAATGCCTTTATGGTGTGGGCCAAAGACGAACGCAAGCGGCTGGCACAGCAGAACC GGATCTGC
ACAACGCAGAGCTGAGCAAGATGCTAGGCAAATCCTGGAAGCGTTGACCTTGGCGGAGAAGCGGCCCTT
CGTGAAGAGGCCGAGCGGCTGCGTGTGCAGCACATGCAGGACCATCCCACTACAAGTACCGGCCCGCGG
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CCGGCGCGCTTGGTCCCAGGGCGGCCGCGTGGCCATGGATGGCCTGGGTCTGCCTTTCCCGAGCCAGG
CTATCCGGCCGGCCCGCTGATGTCCCGCACATGGGCGCCACTACCGTGACTGCCAGGGACTGGGC
GCACCCGCGCTCGACGGTACCCTCTGCCACTCCGGACACATCCCGTTGGATGGCGTGGAGCAGGACC
CGGCTTTCTTTGCTGCCCGCTGCCAGGGGACTGCCCGGCGCCGGAGCCTACACGTATGCTCAGGTCTC
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ATGCCGGGATCCTGGCGCCCCAGTGTCTGCACCTGTACTACGGCGGATGGGCTCGCCCGCGGCAA
GGCCCGGGCGCGTTTCCACGCTCAGCCCCAGCAGCCACTGCAACCGCAGCCACCGCCACCACCACC
GCCTCCACCGCCGAGCAGCACCAGCAGCAGGTCCGGGGCAGCCTTCTCCACCTCCCGAGGCTCTGCC
TGCCGGGATGGCAGGAACCAACCAGCCACTGAGCTACTAGGGGAGGTGGACCGCAGGAATTCGAAC
AGTATTTGCACTTTGTGATAAGCCGGAGATGGGTCTTCCCTACCAGGGACAGACTGCGGTGTGAACCT
CTCGGACAGCCACGGAGCCATTTCTCCGTGGTGTCCGACGCTAGCTCAGCGGTCTACTACTGCAACTAC
CCTGACATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



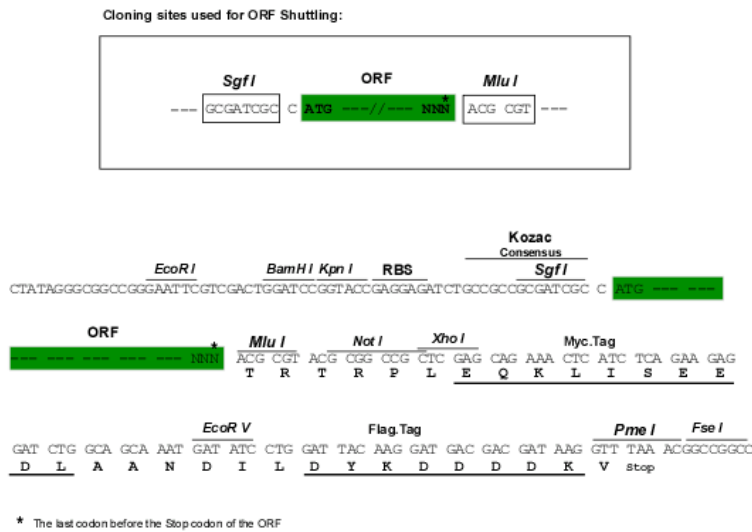
Protein Sequence: >RR200704 representing NM_001107902
Red=Cloning site Green=Tags(s)

MSSPDAGYASDDQSQPRSAQPAVMAGLGPCPWAESLSSLGDVKVKGEVVASSGAPAGTSSRAKAESRIRR
 PMNAFMVWAKDERKRLAQQNPDLHNAELSKMLGKSWKALTLAEKRPFVEEAERLRVQHMQDHPNYKYRPR
 RRKQVKRMKRVEGGFLHALAEPQAGALGPEGGRVAMDGLLPPPEPGYPAGPPLMSPHMGAHYRDCQGLG
 APALDGYPLPTPDTSPLDGVEQDPAFFAAPLPGDCPAAGAYTYAQVSDYAVPAEPSAGPMRVGPDPSGSA
 MPGILAPPSALHLYYGAMGSPAASAGRGFHAQPQPLQPQPPPPPPPPPPPPQYHPHGHGPGQPSPPPEALP
 CRDGTENQPTTELLGEVDRTEFEQYLHFVYKPEMGLPYQGHDCGVNLSHSHGAISSVSDASSAVYYCNY
 PDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001107902

ORF Size: 1269 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_001107902.1](#), [NP_001101372.1](#)

RefSeq Size: 2326 bp

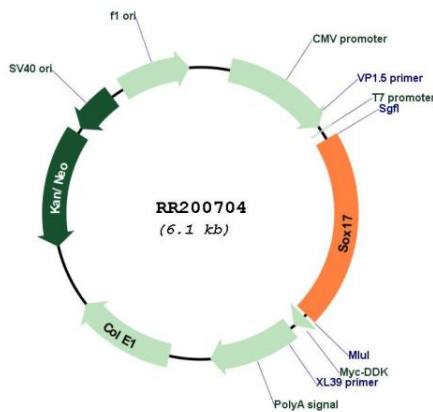
RefSeq ORF: 1272 bp

Locus ID: 312936

Cytogenetics: 5q12

MW: 45 kDa

Product images:



Circular map for RR200704