

Product datasheet for **RN205962**

Sox10 (NM_019193) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox10 (NM_019193) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sox10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205962 representing NM_019193
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGAGGAGCAAGACCTATCAGAGGTGGAGCTGAGCCCCGTGGGCTCGGAGGAACCTCGCTGCCTGT
 CCCAAGCAGCGCGCCGTGCTGGGACCCGACGCGCGCGGCTGCTCAGGCCTGCGAGCCAGCCAGG
 GCCCGCGAATTGGGCAAGGTCAAGAAGGAACAGCAGGACGCGGAGGACGACGATGACAAGTCCCGGTG
 TGCATCCGCGAGGCGGTGAGCCAGGTGCTCAGCGGCTACGACTGGACGCTGGTGCCATGCCCGTGC
 TCAACGGTGCCAGCAAGAGCAAGCCGACGTCAAACGGCCATGAACGCCTTTATGGTGTGGGCACAGG
 GGCACGCAGAAAGTTAGCCGACCAGTACCCGCACCTCCACAATGCTGAGCTCAGCAAGACGCTGGCAAG
 CTCTGGAGGTTGCTGAACGAGAGTGACAAGCGCCCTTATTGAGGAGGCCGAGCGGCTCCGGATGCAGC
 AAAAAAAGACCATCCGGACTACAAGTACCAACCTCGGCGCGGAAGAATGGGAAGGCAGCCAGGGGGA
 GGCAGAGTGCCAGGCGGGGAGACCGACCAAGGAGGGGCTGCTGCTATCCAGGCTACTACAAGAGTGCC
 CACTGGACCACCGGCACCCAGAAGAAGGCTCCCCATGTCAGATGGGAACCCAGAGCACCCCTCAGGCC
 AGAGCCATGGCCCTCCTACCCCTCCAACACCCCAAAGACAGAGCTGCAGTCCGGCAAGGCAGATCCCAA
 AAGGGATGGGCGCTCCTTGGGGGAGGGCGGAAGCCCCACATCGACTTCGGCAATGTGGACATCGGGGAG
 ATCAGCCATGAGGTAATGTCCAACATGGAGACCTTTGATGTGACTGAGCTGGACCAATACCTGCCGCCCA
 ATGGGCACCCAGGCCACGTGGGCAGCTACTCGGCAGCTGGCTACGGGCTGAGCAGTGCCCTGGCTGTGGC
 CAGTGGACACTCTGCCTGGATCTCCAAGCCACAGGTGTGGCTCTGCCACGGTCTCGCCCCCTGCTGTG
 GATGCCAAAGCCAGGTGAAGACAGAGACCACAGGGCCCCAGGGACCCCACTACACCGACAGCCGT
 CCACTCCAGATCGCCTACACCTCCCTCAGTCTGCCCCACTACGGCTCCGCTTCCCCTCCATCTCAGC
 CCCCAGTTTGACTACTCTGACCATCAGCCCTCAGGACCTATTATGGCCACGCAGGCCAGGCCTCTGGC
 CTCTACTCAGCTTTTCTACATGGGCCCTCTCAGCGGCCCTCTACACGGCCATCTCTGACCCAGCC
 CCTCAGGGCCCCAGTCCACAGTCCACACACTGGGAACAGCCAGTATATACGACTCTATCCCGACCTTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019193
- Insert Size:** 1401 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_019193.2](#), [NP_062066.1](#)

RefSeq Size: 3029 bp

RefSeq ORF: 1401 bp

Locus ID: 29361

UniProt ID: [O55170](#)

Cytogenetics: 7q34

Gene Summary: transcription factor associated with the sex determining factor SRY; may be important for glial cell development and cell specificity [RGD, Feb 2006]