

## Product datasheet for MC209508

### Sry (NM\_011564) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Sry (NM\_011564) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Sry  
 Synonyms: Tdf; Tdy  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Fully Sequenced ORF: >MC209508 representing NM\_011564  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGGGCCATGTCAAGCGCCCATGAATGCATTTATGGTGTGGTCCCGTGGTGAGAGGCACAAGTTGG  
 CCCAGCAGAATCCAGCATGCAAATACAGAGATCAGCAAGCAGCTGGGATGCAGGTGAAAAAGCCTTAC  
 AGAAGCCGAAAAAGGCCCTTTTCCAGGAGGCACAGAGATTGAAGATCTACACAGAGAGAAAATACCCA  
 AACTATAAATATCAGCCTCATCGGAGGGCTAAAGTGTACAGAGGAGTGGCATTTCACGCCTGCAGTTG  
 CCTCAACAAAACGTACAACCTTCTGCAGTGGGACAGGAACCCACATGCCATCACATACAGGCAAGACTG  
 GAGTAGAGCTGCACACCTGTACTCCAAAAACCAGCAAAGCTTTTATTGGCAGCCTGTTGATATCCCACT  
 GGGCACCTGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGTTCATAACCACCACCAGCAGCAACAGC  
 AGTTCTATGACCACCACCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGTTCATGACCACCACCACC  
 GCAGAAGCAGCAGTTTCATGACCACCACCAGCAGCAACAGCAGTTCATGACCACCACCACCACCACCAG  
 GAGCAGCAGTTCATGACCACCACCAGCAGCAACAGCAGTTCATGACCACCAGCAGCAGCAGCAGCAGC  
 AGCAGCAGCAGCAGTTCATGACCACCACCAGCAGAAGCAGCAGTTCATGACCACCACCACCACCACA  
 GCAGCAGCAGTTCATGACCACCACCAGCAGCAGCAGCAGTTCATGACCACCAGCAGCAGCAGCAGCAG  
 TTCCATGACCACCCCCAGCAGAAGCAGCAGTTCATGACCACCCCCAGCAGCAACAGCAGTTCATGACC  
 ACCACCAGCAGCAGCAGCAGAAGCAGCAGTTCATGACCACCACCAGCAGAAGCAGCAGTTCATGACCA  
 CCACCAGCAGAAGCAGCAGTTCATGACCACCACCAGCAGCAACAGCAGTTCATGACCACCACCAGCAG  
 CAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGTTCACGACCAGCAGCTTACCTACTTACTAACAGCTG  
 ACATCACTGGTGAGCATACACCATACCAGGAGCACCTCAGCACAGCCCTGTGGTTGGCAGTCTCA**TGA**

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1719\\_b08.zip](https://cdn.origene.com/chromatograms/ja1719_b08.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_011564

**Insert Size:** 1188 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 [custsupport@origene.com](mailto:custsupport@origene.com) 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. [More info](#)

**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\\_011564.1](#), [NP\\_035694.1](#)

**RefSeq Size:** 1188 bp

**RefSeq ORF:** 1188 bp

**Locus ID:** 21674

**UniProt ID:** [Q05738](#)

**Cytogenetics:** Y A1

**Gene Summary:**

Transcriptional regulator that controls a genetic switch in male development. It is necessary and sufficient for initiating male sex determination by directing the development of supporting cell precursors (pre-Sertoli cells) as Sertoli rather than granulosa cells. In male adult brain involved in the maintenance of motor functions of dopaminergic neurons (By similarity). Involved in different aspects of gene regulation including promoter activation or repression. SRY HMG box recognizes DNA by partial intercalation in the minor groove. Promotes DNA bending. Also involved in pre-mRNA splicing (By similarity). Binds to the DNA consensus sequence 5'-[AT]AACAA[AT]-3'. [UniProtKB/Swiss-Prot Function]