

## Product datasheet for **MC219810**

### Sts (NM\_009293) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sts (NM_009293) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sts
Synonyms:	ArsC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC219810 representing NM\_009293  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCAGGCCCGCCCTGCTCCTCGCCGTCATGGCCGCCACGCTCGTGACATCATCTCGCCGCGG  
 ATCCCGCCCCCGCAGGCCCGCCCCCGCCCAACTTCTGCTCATCATGGCCGACGACCTGGGCAT  
 CGGTGACCTCGGCTGCTACGGCAACAAAACGCTCAGGACGCCGACCTCGACCGCTGGCCCGAGGGG  
 GTGAAGCTGACGCAGCACCTGGCGGCCGCCCGCTCTGCACCCAGCCGCGCCCTTCTGACCGGGC  
 GCTACCCGCGCGCTCAGGCATGGCGGCCACGGCCGCTGGGCGTGTACCTGTTACGGCGTCTCGGG  
 GGGCTCCCGCCAGCGAGGTACCATGGCGGGCTGCTGAAGGGGCGGGGTACGCCACGGCGCTCATT  
 GGGAAAGTGGCACCTGGTCTGAGCTGCCGCGGGCCACCGACTTCTGCCACCACCCCTGCGCCACGGCT  
 TCGACCGCTTCTGGGCGTCCCGACCACCAACTGCGCGACTGCCGCGGGGGCGGGCACCGTGTTCGG  
 CCCCGCTCGCGGTGTTCCGCGCGGGCCCTGGCGGCGTGGGGCGTCTGGCGGCATGGCGGGC  
 GCGCGGTGGCGGGGCTGGCGCGGGTGGCGGGTGGGCCCTGGCGGGGACGGCGCGGCCATGTTGGCGG  
 TGGGCGGGCCGCTCGGCTTCTGCTCGGCTTCCGCCCGGCAACTGTTCTCATGGACGACCTCGC  
 CGTGGCGCAGCGCCACGGACTACGGCGGACTCACGCGGCGCTGGCGGACGAGGCCGCGCTTCTCTG  
 CGGAGGAACCGGGCCCGCCCTTCTGCTTCTGCTTCTGCTTCTGACAGTCCACACCGCGCACTTCGCCG  
 ACCCGGGTTCGCGGGGCGGAGCCTGCACGGGGCTACGGCGACAGCGTGGAGGAGATGGACTGGGGCGT  
 GGGCCCGTGTGGCGGCGTGGACGAGCTGGGCGCGCGGAGCGCATGGCGGCGAGCAACGGCGTCTTCGCG  
 CACGGGGCCACGTGGAGGAGCTGGGCGCGCGGCGAGCGCATGGCGGCGAGCAACGGCGTCTTCGCG  
 GCGGGAAGGGCAACAACGGAGGGCGGGTCCGCGTCCCTGCCTCGTGCCTGGCCCGCGAGCTCAG  
 CCCGGCCGCGTCTGCGGGAGCCACGAGCCTCATGGACGTCTCCCGACCGTGGCGCGGCTGGCGGGG  
 GCGGAGCTGCCCGGGGACAGGGTATTGACGGCCGGGACCTGATGCCGCTGCTGCGCGGCGACGCCACG  
 GCTCGGAGCAGAGTTCCTGTTCCACTACTGCAACGCCTACCTGCAGGCCGTGCGCTGGCACAACGGCAG  
 CGCGGTGTGGAAGCCTTCTACTTACGCCCAACTTCGCGCCCGGGCGCAACGGCTGCTTCTCGACC  
 CACGTCTGCTTCTGCGCCGGCCCCGCCCACGTACCGCCACGACCCCCCTGCTGTTTCGACCTCACGC  
 GCGACCCCGGCGAGCGCCCGCCCTGACCCCGAGGCGGAGCCCGGCGACCGCGAGGTCTGGACGCCAT  
 CGACGCCCGCCCGCGCCACCGCGCCCGGCTCCGCCCCGCGCCGACAGCTCGCCCCGCGGCACCTG  
 ATGTGGAAGCCGTGGCTGACGCTGTGGGCGGGGCGGGGCGGGGCGGGGCGGGCCAGGACGACT  
 CAGGCCACGCCACGGCGATGGAAGCCACGCCACGACCCAGGCCACGCCAGGACAGAGGCGATGA  
 CGACGCCACTACGGAGGCCACGCCACGACACGGACTCAGGCCACGCCACGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_009293
- Insert Size:** 1875 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\\_009293.1](#), [NP\\_033319.1](#)

**RefSeq Size:** 2283 bp

**RefSeq ORF:** 1875 bp

**Locus ID:** 20905

**UniProt ID:** [P50427](#)

**Cytogenetics:** XY 75.0 cM

**Gene Summary:** Catalyzes the conversion of sulfated steroid precursors, such as dehydroepiandrosterone sulfate (DHEA-S) and estrone sulfate to the free steroid.[UniProtKB/Swiss-Prot Function]