

## Product datasheet for **RN215177**

### Sts (NM\_012661) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sts (NM_012661) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sts
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN215177 representing NM\_012661  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTCTGGCCCTGTCTCCTTGCCTGCTCCTCTCCAGCTCAACTTTCTGTGTCTGCCGTCTCTGGCC  
 CTGGACCTAACTTCTGCTCATCATGGCTGATGACCTTGGCATTGGGGACCTAGGCTGCTATGGCAACCG  
 CACACTCAGGACGCCACACATCGACCGCTGGCCCTTGAGGGGGTGAAGTTGACTCAGCACCTGGCGGT  
 GCGCCCTGTGCACCCCGAGCCGCTGCCTTCTTACCGGGCGTACCCTGTGCGGTACGGGATGGCAT  
 CACATGGCCGCTGGGTGATTCTGTTCTCGGCATCATCTGGGGGCTCCCGCCAATGAAGTACCTT  
 TGCAAAGTTGCTCAAGGGTCAAGGCTACACCACCGGGCTGTAGGGAAGTGGCATCTGGGGCTGAGCTGC  
 CAAGCAGCCTCTGACTTCTGCCACCACCTGGGCGCATGGCTTTGACCGCTTCTGGGCACGCCACCA  
 CCAACTGAGGGACTGCAAGCCAGGGGGGGGACCGTGTGGCTCTGCCAACAAGTATTCGTGGTCTCT  
 GCCATGAATATTCTGGGGCAGTGTCTGGCCATGGCACTTGGCGGTGGGCAGGGCTGGCCCGGCC  
 CCAGGGTGGGTGTTCGGGGTACAGTGGCTGCCATGGCGCGGTGGCGGGGCTATGTGGCCTTCTCT  
 ACCACTCCGCCCAGCCAACTGCTTCTCATGGCCGACTTACCATCACCAACAGCCCACGGACTACAA  
 GGGGCTCACACAGCGCTGGCAAGCGAGGCTGGGGACTTCTGCGCAGGAACAGGGACACGCCCTTCTGT  
 CTATTCCTGTCTTTCATGCATGTGCACACGGCACACTTCGCCAACCTGAGTTTCCGGGCGAGAGCTGC  
 ATGGGGCTATGGAGATGCTGTGGAGGAGATGGACTGGGCGTAGGCCAGGTCTTGCCACACTGGACAA  
 GCTGGGCTCGCCAACAACACTCGTGTACTTGACGTCCGACCATGGCGCACACGTGGAGGAGCTTGGC  
 CCCAACGGTGAACGGCATGGCGGGAGCAACGGAATTTACAGGGGGGGAAGGCCAACACGTGGGAGGGTG  
 GCATCCGTGTGCCTGGACTTGTGCGCTGGCCCGCGTATTGTGCCCGCCAGGAGGTGCAGGAGCCAC  
 GAGCAACATGGACGTCTTCCCCTGTGGCCAGGCTTGCAGGGGAGAGCTGCCGACTGACAGGGTGATT  
 GACGGGCTGACTTGATGCCCTGCTGCTGGGCCATGTACAACACTCTGAGCATGAATTCCTGTTCCACT  
 ACTGCAATGCCTACCTCAGCGCTGTGGCATGGCGGCCCAACAGCTCGTCCGTGGAAGGCGTTTTTA  
 CTTACACCGAACTTCGACCCCCGGGCTAATGGCTGCTTCTCCACACACGTGTGCATGTGCCACGGC  
 CACCATGTACGCACCATGATCCGCCCTGCTCTTCGACATTGCCCGTACCCCAGGGAGCGCCACCCGC  
 TCACGCCTGAAACAGAGCCGCGCATGGTGAGATCCTGCGCAACATGGATGCTGCGGCCCGTGCACACGT  
 TGCTACCTAGAGGAGGCCCAATCAGCTTCCATGTCAAATGTGCATGGAAGCCATGGCTGCAGCTC  
 TGCTGCCTTCCAAGCCCACCCACTCGCATGCCGCTGTGCTGGCGACGGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_012661
- Insert Size:** 1734 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\\_012661.1](#), [NP\\_036793.1](#)

**RefSeq Size:** 2472 bp

**RefSeq ORF:** 1734 bp

**Locus ID:** 24800

**UniProt ID:** [P15589](#)

**Cytogenetics:** Xq21

**Gene Summary:** enzyme that converts sulfated precursors to estrogen during pregnancy [RGD, Feb 2006]