

## Product datasheet for RN217520

### Sorcs1 (NM\_001191563) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sorcs1 (NM\_001191563) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sorcs1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN217520 representing NM\_001191563  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGAAAAGTTGGCGCCGGGGACGGCTCCTCGGCCGCGCTTAGCGCGCTCCTAACGGGAGCCGGGCTTC  
 TGATGCTCTTAGCCCCTGGCATCTGCAGCAGCCTTTCTTGCTGCCCTCCGCAACACCCTAGCTCGACCCC  
 ACGCTGGACCCCTACCCCAAGAGGCTTTCTTACCCCGGACCGTGGGTCGGGCTCCTGCCACGCCCCCG  
 CCCTCTTCATGAGACCCCTGTTTCGAGTGGCCCCGGGGACCGGCGCTGTTTCTGGAGCGAGCTGGGG  
 GCAGCAGGTGTCACTGGCGACCGCTTACGCTCTGGCCGTAGGAGACGGAGTGAATGGATCCTGAGAA  
 GACTGAACCCGGAGAGGGTACGAGTCGGAGCCGCCGGACATGCTAAGGGATGGAGGGCAGCAGGGGCT  
 GGGACTGGCGCGGGACCCGGACAAAGCCACTCGCTTCCGGATGGAGGAGCTGAGATTGACCAGCACCA  
 CATTTCGCTGACTGGAGACTCGGCACACAACCAAGCTATGGTCCACTGGTCTGGCCACAACAGCAGCGT  
 GATTCTCATTTTGACAAAGCTCTATGACTATAACCTGGGAAGCATCACTGAGAGCTCGCTTTGGAGGTCA  
 ACCGATTATGGGACAACCTACGAGAAGCTGAATGATAAAGTGGGGTTGAAGACCATTTGAGCTATCTCT  
 ATGTGTGCCCAACCAACAAGCGTAAGATTATGCTACTCACGGACCCGGAGATTGAGAGCAGTTTGTGAT  
 CAGCTCAGATGAAGGGGCAACCTATCAAAGTACCGGCTCAACTTTTACATCCAGAGTTTGCTTTCCAT  
 CCGAAGCAAGAAGACTGGATCCTGGCCTACAGTCAAGACCAAAAGTTATACAGCTCTGCTGAGTTTGGCA  
 GAAGATGGCAGCTTATCCAGGAAGCAGTGGTACCCAATAGGTTTTACTGGTCTGTGCTGGGGTCGAACAA  
 AGAACCAGACCTTGTGCATCTCGAGGCCAGGACCGTAGATGGTCACTCCATATACTTAACTTGTCCGATG  
 CAAAATGCACGAAGCCAACAGAAATAAACCTTTCCAGGATACATTGACCCGGATTCTTTGATTGTTT  
 AGGATGATTATGTGTTTGTTCAGCTCACATCAGGAGGAAGACCACACTACTATGTGCTCCTACCGAAGAAA  
 CCCATTTGCACAAATGAACTTCCGAAATATGCTTTGCCCAAGGATATGCATGTATCAGTACGGATGAG  
 AATCAGGTGTTTGCAGCAGTTCAAGAATGGAACCAAGATGACACCTACAACCTGTACATCTCAGACACAC  
 CGGGGTCTACTTACCGCTGGCCTTGGAGAACGTGCAGAGCAGCAGAGGCCCTGAAGGCAATGTATGAT  
 TGACCTTTATGAGGTAGCAGGGATAAAGGGAATGTTCTTGCTAACAAGAAGATTGACAACCAAGTGAAG  
 ACTTTCATCACTTACAACAAAGGCAGAGACTGGCGTTTGTGTCAGGCTCCAGATGCAGATCTAAGGGGGG  
 ACCCTGTGCACTGTTTGTGCCCTACTGTTCACTACACCTTCTCAAAGTTTCTGAGAATCCCTACAC  
 ATCTGGGATCATTGCCAGCAGAGACACAGCCCAAGTATTATAGTTGCATCAGGTAACATAGGCTCTGAG



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TTGTCAGACAGCGACATCAGCATGTTTGTATCATCAGATGCAGGGAACACTTGGAGGCAGATTTTTGAAG  
 AAGAGCACAGCATTTTGTACCTTGATCAAGGGGAGTCCTGGTTGCTATGAAACACACATCTCTCCCAAT  
 TCGGCACCTGTGGTTGAGTTTTGATGAAGGGAGGTCTTGGAGCAAATACAGTTTTACATCCATTCCACTT  
 TTTGTGGATGGAGTCTGGGGGAGCCTGGAGAAGAGACTAATCATGACAGTGTGGACACTTCAGTC  
 ATCGTTCTGAGTGGCAGCTGGTCAAAGTGGATTACAAGTCCATTTTTGACAGACGCTGTGCTGAAGAAGA  
 CTACAGACCCTGGCAGTTACATAGCCAGGGGAAGCATGCATCATGGGAGCCAAGAGGATCTATAAGAAG  
 CGAAAATCTGAGCGCAAGTGTATGCAAGGGACGTATGCAGGAGCGATGGAGTCTGAGCCTTGTGTGTGA  
 CAGAGGCGGACTTTGACTGTGACTATGGCTACGAGAGACATAGTAGTGGACAATGCCTACCAGCATTTTG  
 GTTCAACCCTGCTCACTGTCAAAGACTGCAGCTTGGGACAGAGTTACCTCAACAGCACTGGGTACAGG  
 AAGGTGGTCTCCAATAACTGCACGGACGGAGTGAGGGAACAGTACACCGCCAAACCACAGAAGTGTCCAG  
 GGAAGGCCCTCGTGGGCTACGGATTGCTACTGCAGATGGGAACTGACAGCAGAACAGGGGCACAATGT  
 CACTCTCATGGTGCAGTTGGAAGAGGGGATGTACAGCGGACACTCATCAAGTGGACTTTGGAGATGGC  
 ATTGCGGTGTCTTATGTCAACCTCAGCTCGATGGAAGACGGAATCAAGCATGTATATCAGAATGTGGGCA  
 TTTCCGAGTGACCGTGCAGGTGACAACAGTCTGGGGTCTGACAGCGCCGTCTGTACTTACATGTAAC  
 TTGTCCCCTGGAACATGTGCACCTGTCCCTTCTTTTGTCAACAAGAACAAGAGGTCACGCAACT  
 GCCGTGCTGTGGCCAGCCAAGTGGGCACTCTCACTTACGTGTGGTGGTATGGGAACAACACAGAGCCCC  
 TGATCACCTTGGAGGGCAGCATATCATTCAAGTTACTTCTGAAGGAATGAACACTATACCGGTACAGGT  
 CTCAGCTGGGAATGCCATACTGCAAGACTAAGACCATTGCGGTATACGAGGAATCCGCTCTCTTCGC  
 TTGGCTTTTTCTCCAACCTTGGATGACTACAACCTGACATCCCGGAGTGGAGGAGGGACATCAGCCGAG  
 TAATCAAAAAGTCTCTGGTGAAGCCACAGGGATCCAGCCAGCATATCCTGGTGGCAGTGTACCTGG  
 CTTACCCACTGCTGCTGAGCTCTTTGTTTTGCCATCAAGATGGAGCTAGAGAAAACAAGGTCCCCA  
 GAGGACTGGAGCAGATATCTGAAGTTCTAATCCACAACTCAACAAAACCTTGGTGCACCTTTGAGCTGA  
 AGCTGGGGTCCAAGTTCTGTCCACGACGCTCACCTAACAGCAGCCCCCTGGTGGACCTCACTCCTAC  
 CCACAGCGGATCTGCCATGCTGATGTTGCTCTCAGTGGTGTGGGGTTGGCCGTGTTGCTCATCTAC  
 AAGTTTAAAAGGAGAGTAGCTTTAACCTCCCCTCCCTCCCTTCTACTCAACCTGGGGACTCATCTCC  
 GATTGCAAAGACCAAGACAAGCCACACCACCTTCATCGCCAAAGCGGGATCTGCTGGGGACAATTTGC  
 AATCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001191563
- Insert Size:** 3507 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001191563.1](#), [NP\\_001178492.1](#)

**RefSeq Size:** 3940 bp

**RefSeq ORF:** 3507 bp

**Locus ID:** 309533

**Cytogenetics:** 1q55