

## Product datasheet for **RR217520**

### Sorcs1 (NM\_001191563) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sorcs1 (NM\_001191563) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sorcs1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR217520 representing NM\_001191563  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGGAAAAGTTGGCGCCGGGGACGGCTCCTCGGCCGCGCTTAGCGCGCTCCTAACGGGAGCCGGGCTTC  
TGATGCTCTTAGCCCCTGGCATCTGCAGCACCCTTTCTTGCTGCCCTCCGCAACACCCTAGCTCGACCCC  
ACGCTGGACCCCTACCCCAAGAGGCTTTTCTTACCCCGGACCGCTGGGTGGGCTCCTGCCACGCCCCCG  
CCCTCTTCATGAGACCCCTGTTTCGAGTGGCCCCGGGGACCGGCGCTGTTTCTGGAGCGAGCTGGGG  
GCAGCAGGTGTCACTGGCGACCGCTTACGCTCTGGCCGTAGGAGACGGAGTGAATGGATCCTGAGAA  
GACTGAACCCGGAGAGGGTACGAGTGGAGCCGCCGGACATGCTAAGGGATGGAGGGCAGCAGGGGCT  
GGGACTGGCGCGGGACCCGGACAAAGCCACTCGCTTCCGGATGGAGGAGCTGAGATTGACCAGCACCA  
CATTTGCGCTGACTGGAGACTCGGCACACAACCAAGCTATGGTCCACTGGTCTGGCCACAACAGCAGCGT  
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ACCGATTATGGGACAACCTACGAGAAGCTGAATGATAAAGTGGGGTTGAAGACCATTTTGAGCTATCTCT  
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CAGCTCAGATGAAGGGGCAACCTATCAAAGTACCGGCTCAACTTTTACATCCAGAGTTTGCTTTTCCAT  
CCGAAGCAAGAAGACTGGATCCTGGCCTACAGTCAAGACCAAAAGTTATACAGCTCTGCTGAGTTTGGCA  
GAAGATGGCAGCTTATCCAGGAAGCAGTGGTACCCAATAGGTTTTACTGGTCTGTGCTGGGGTCGAACAA  
AGAACCAGACCTTGTGCATCTCGAGGCCAGGACCGTAGATGGTCACTCCATATACTTAACTTGTCCGATG  
CAAACTGCACTGAAGCCAACAGAAATAAACCTTTCCAGGATACATTGACCCGGATTCTTTGATTGTTT  
AGGATGATTATGTGTTTGTTCAGCTCACATCAGGAGGAAGACCACACTACTATGTGTCCTACCGAAGAAA  
CCCATTGACAAAATGAACTTCCGAAATATGCTTTGCCCAAGGATATGCATGCATCAGTACGGATGAG  
AATCAGGTGTTGTCAGCAGTTCAAGAATGGAACCAAGATGACACCTACAACCTGTACATCTCAGACACAC  
CGGGGTCTACTTACCGCTGGCCTTGGAGAACGTGCAGAGCAGCAGAGGCCCTGAAGGCAATGTCATGAT  
TGACCTTTATGAGGTAGCAGGGATAAAGGGAATGTTCTTGCTAACAAGAAGATTGACAACCAAGTGAAG  
ACTTTCATCACTTACAACAAAGGCAGAGACTGGCGTTTGTGTCAGGCTCCAGATGCAGATCTAAGGGGGG  
ACCCTGTGCACTGTTTGTGCCCTACTGTTCACTACACCTTCTCAAAGTTTCTGAGAATCCCTACAC  
ATCTGGGATCATTGCCAGCAGAGACACAGCCCCAAGTATTATAGTTGCATCAGGTAACATAGGCTCTGAG



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TTGTCAGACAGCGACATCAGCATGTTTGTATCATCAGATGCAGGGAACACTTGGAGGCAGATTTTTGAAG  
AAGAGCACAGCATTTTGTACCTTGATCAAGGGGAGTCCTGGTTGCTATGAAACACACATCTCTCCCAAT  
TCGGCACCTGTGGTTGAGTTTTGATGAAGGGAGGTCTTGGAGCAAATACAGTTTTACATCCATTCCACTT  
TTTGTGGATGGAGTCTGGGGGAGCCTGGAGAAGAGACTAATCATGACAGTGTGGACACTTCAGTC  
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CTACAGACCCTGGCAGTTACATAGCCAGGGGGAAGCATGCATCATGGAGCCAAGAGGATCTATAAGAAG  
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AAGTTTAAAAGGAGAGTAGCTTTAACCTCCCCTCCCTCCCTTCTACTCAACCTGGGACTCATCTCC  
GATTGCAAAGACCAAGACAAGCCACACCACCTTCATCGCCAAAGCGGGATCTGCTGGGCAACAATTTGC  
AATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR217520 representing NM\_001191563  
Red=Cloning site Green=Tags(s)

MGKVGAGDGSSAALSALLTGAGLLMLLAPGICSSLSCPPQHPSSTPRWLTPRGFSYPGPLGRAPATPP  
PLFMRPLFAVAPGDRALFLERAGSRVSVATASRSGRRRRSGMDPEKTEPEGTSRSTRDMLRDGGQGP  
GTGARDPDKATFRMEELRLTSTTFALTGSAHNQAMVHWSGHNSVILILTKLYDYNLGSITESSLWRS  
TDYGTTYEKLNDKVGLKILSYLYVCPTNKRKIMLLTDPEIESSLLISSDEGATYQKYRLNFYIQSLLFH  
PKQEDWILAYSQDQKLYSSAEFGRRWQLIQEAVVFNRFYWSVLGSNKEPDLVHLEARTVDGHSIYLTCRM  
QNCTEANRNKPFPGYIDPDSLIVQDDYVFVQLTSGGRPHYVYSYRRNPFQMKLPKYALPKDMHVI  
STDE NQVFAAVQEWNQNDTYNLYISDTRGVYFTLALENVQSSRGPENVMIDLVEVAGIKGMFLANKKIDNQVK  
TFITYNKGRDWRLQAPDADLRGDPVHCLLPYCSLHLHLKVSENPYTSGIIASRDAPSIIIVASGNIGSE  
LSDSDISMVSSDAGNTWRQIFEEHSLYLDQGGVLVAMKHTSLPIRHLWLSFDEGRSWSKYSFTSIPL  
FVDGVLGEPGEETLIMTVFGHFHRSEWQLVKVDYKSIFFDRCAEEDYRPWQLHSQGEACIMGAKRIYKK  
RKSERKCMQGTYAGAMESEPCVCTEADFDCDYGERHSSGQCLPAFWFNPSSLKDCSLGQSYLNSTGYR  
KVVSNNCTDGVREQYTAKPQKCPGKAPRGLRIVTADGKLTAEQGHNVTLMVQLEEGDVQRTLQVDFGDG  
IAVSYVNLSSMEDGIKHVYQNVGIFRVTVQVDNSLGSDSAVLYLHVTCPLHVLHSLPFVTTKNKEVNAT  
AVLWPSQVGTLYVWYGNNTPELITLEGISFKFTSEGMNTITVQVSAGNAILQDTKTIAVYEEFRSLR  
LAFSPNLDYNDPIPEWRRDISRVIKSLVEATGIPSQHILVAVLPGLPTAAELFVLPYQDGARENKRSP  
EDLEQISEVL IHKLNQNLVHFELKPGVQVLVHAAHLTAAPLVDLTPTHSGSAMLMLLSVVFVGLAVFVIY  
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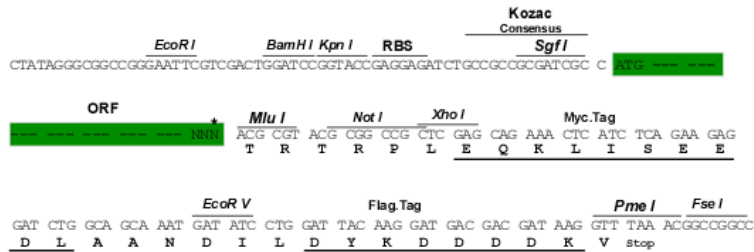
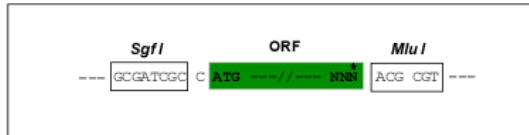
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

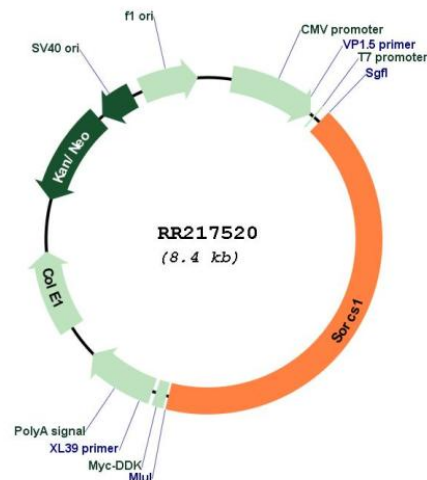
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001191563

**ORF Size:** 3504 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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

MW: 130 kDa