

## Product datasheet for RN210901

### Sos1 (NM\_001100716) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Sos1 (NM\_001100716) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Sos1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN210901 representing NM\_001100716  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGGCGCAGCAGCTGCCCTACGAGTTTTTCAGCGAGGAGAACGCGCCCAAGTGGCGGGGGCTGCTGG  
 TGCCCTGCGCTGAAAAAGTTTCAGGGCAAGTTCACCTACTCTTGAGTCTAATGAGGATGCTCTTCAGTA  
 TGTTGAAGAATTAATTTTGAATTAATAATGCTATGCCAAGTCAGCCCGGAGTGCTTCAGATGTG  
 GAGGAACGTGTTCAAAAAAGTTTCCCTCATCCAATTGATAAGTGGCAATAGCTGATGCCAATCAGCTA  
 TTGAAAAGAGGAAGAGAAGGAACCCCTTATCCCTGCCAGCAGAAAAGAATTCATCATTTATTAAGGGAGGT  
 CCTGGGTATAAAATTGACCACCAGTTTCTGTTTACATAGTAGCAGTATTAGAATACATTTCTGCAGAT  
 ATTTTAAAGCTGGTGGGAATTATGTAAGAAATATACGGCATTATGAAATTACAAAAACAAGACATTAAG  
 TGGCAATGTGTGCTGATAAGGTATTGATGGATATGTTTCATCAAGATGTAGAAGATATAAATATCTTATC  
 TTTAACTGATGAAGAACCTTCCACCTCAGGAGAACAACCTTACTATGATTTGGTAAAAGCATTTCATGGCA  
 GAAATTCGACAATATAAGAGAATTAATCTAATTATAAAGTTTTTTCGAGAACCCTTTGTCTCTAATT  
 CCAAGTTGTTTTCATCTTATGATGTAGAAAACATATTTAGTCGTATAGTGGATATCCATGAACCTTAGTGT  
 AAAGTTACTGGCCATATAGAAGACACTGTAGAGATGACAGATGAAGGCAGTCCCAACCCGTTAGTCGGA  
 AGCTGTTTTGAAGACTTAGCAGAAGAACTGGCCTTTGACCCATATGAGTCTATGCTCGGGATGTTCTGC  
 GGCCCGGATTCATGAGCGTTTTCTCAGTCAGCTATCAAAGCCTGGGGCAGCACTTTATCTGCAGTCCAT  
 AGGTGAAGGCTTCAAAGAGGCCGTTTCAGTATGTCTGCCCGGCTGCTGCTCGCCCTGTGTACCACTGT  
 CTGCATTACTTTGAACCTTCTGAAGCAGTTAGAAGAAAAGAGCGAAGATCAAGAAGATAAGGAGTGTATGA  
 AACAAGCAATAACAGCCCTGCTTAATGTCAAAGTGGCATGGAAGAAAATTTGCTCCAAAAATCTTGCAAA  
 ACGAAGACTGAGTGAGTCTGCATGTGCGTTTTACAGCCAGCAAAATGAAGGGGAAACAACCTGGCCATCAAG  
 AAGATGAATGAGATTGAGAAGAACATTTGATGGTTGGGAGGGGAAAGACATTGGACAATGCTGCAATGAGT  
 TTATAATGGAAGGAACCTTACACGTGTAGGAGCCAAACACGAGAGACACATATTTCTCTTCGATGGCTT  
 AATGATTTGCTGTAATCAAATCATGGGAGCCAAAGACTTCTGTTGCTAGCAATGCAGAATATCGGCTT  
 AAAGAAAAGTTTTTTATGCGAAAGGTACAGATTAACGATAAGGATGACACCAGTGAATACAAGCACGCTT  
 TCGAAAATAATTCTGAAGGATGGAATAGTGTATATTTTCTGCCAAGTCAGCTGAAGAGAAGAATAACTG  
 GATGGCAGCCCTGATATCCCTGCAGTACCGCAGCACGCTGGAGAGAATGCTGGACGTTACAATGCTGCAG



[View online »](#)

GAGGAGAAGGAGGAGCACATGAGGCTGCCGAGTGCTGACGTGTACAGTTTGCAGAGCCCGACTCTGAGG  
 AGAACATTCTGTTTGAAGAGAACGTGCAGCCCAAGGCTGGCATCCCCATCATCAAGGCAGGGACAGTGGT  
 TAAGCTGATTGAGAGGCTCACGTACCACATGTACGCAGATCCAAATTTTGTTCGGACATTTCTTACAACA  
 TACAGATCATTTTGCAAACCTCAAGAACTACTGAATCTTCTAATAGAAAGATTTGAAATTCAGAGCCTG  
 AGCCAACAGAAGCTGATCGCATAGCTATAGAGAATGGAGATCAGCCCCTGAGCGCAGAGCTGAAAAGTT  
 TAGAAAAGGAGTATATCCAGCCTGTACAGCTGAGGGTGTAAACGTGTGTGCGCACTGGGTGGAGCACCAT  
 TTCTATGACTTTGAAAGAGATGTAGACCTTTTACAGAGAATGGAGGAATTTATTGGAACAGTAAGAGGTA  
 AAGCAATGAAAAATGGGTGCAATCCATCACTAAGATAATCCAAAGGAAAAAATTGCAAGAGACAATGG  
 CCCAGGTGATAATATTACATTTTCAAGAACTCACCTCCCACAGTTGAGTGGCACATAAGCAGACCTGGGCAT  
 ATAGAGACTTTTGACTTGCTCACCTACACCCAATAGAAATTTGCTCGACAACCTACTTTACTTGAATCAG  
 ATCTATACCGAGCTGTGCAGCCATCAGAATTAGTTGGAAGTGTGTGGACAAAAGAAGATAAAGAAATTA  
 CTCTCCTAACCTTCTGAAATGATTCGGCACACCACCAACCTCACTCTGTGGTTTGAAGAAATGATTGTA  
 GAAACAGAGAAGCTAGAAGAAAGAGTAGCAGTAGTGAGTGAATAATTGAGATTCTACAAGTCTTCAAG  
 AGCTGAACAACCTCAATGGTGTCTGGAAGTTGTTAGTGCTATGAACTCGTCACCTGTTTACAGACTGGA  
 CCACACATTTGAGCAAAATACCAAGTAGACAAAAGAAAATTTAGAGAAGCTCATGAGTTGAGTGAAGAT  
 CACTATAAGAAATATTTGGCAAACTCAGGTCTATTAATCCACCATGTGTGCCTTTCTTTGGAATTTATC  
 TCACAAATATCTTGAAAACAGAAGAAGGCAACCCTGAGGTCTAAGAAGACATGGAAAAGAGCTTATCAA  
 CTTGAGCAAGAGGAGGAGAGTGGCCGAGATAACAGGAGAGATCCAGCAGTACAAAACAGCCTTACTGC  
 TTACGGGTAGAGTCAGACATCAAGAGATTCTTTGAAAACCTGAAATCCAATGGGAAATAGCATGGAGAAGG  
 AATTTACAGACTATCTATTCAACAAATCCCTAGAAATAGAACCACGGAACCTAAGCCTCTTCCAAGATT  
 TCCAAAAAATACAGCTATCCCCTAAAATCTCCTGGTGTTCGTCATCAAATCCAAGACCAGGAACCATG  
 AGGCACCTACACCTCTGCAGCAGGAGCCAAAGGAAAATCAGCTACAGTCGGATTCTGAGAGCGAGACAG  
 AAAGTACAGCGTCGGCACCAAACTCCCCGAGAACACCGCTGACGCCGCTCCTGCGTCCAGCGCCTCCAG  
 TAACACAGACGTCTGCAGCGTGTTCGATTCCGACCACTCCGCAAGCCCTTTTCACTCAAGATCTGCTTCA  
 GTCTCATCTATAAGTTTATCCAAGGGCACCGAGGAAGTGCTGTCCCTCCTCCTGTCCCCCTCGAAGAC  
 GACCAGAGTCTGCCCCAGCGGAATCCTCCCATCCAAGATTATGTCTAAGCACTTGATAGCCCCCAGC  
 GATTCCTCCTAGGCAGCCACATCGAAAGCCTATTCACCACGATACTCAATATCAGATCGGACCTTATA  
 TCAGATCTCCCGAGAGCCCTCCCTTGTACCACCAGGAACTGTGAGGACACCCGATGTTTTCTCAA  
 GCTCGCCATTACATCTCCAACCTCCCCGTTGGGCAAAAAGAGTGACCATGGCAATGCCTTCTTCCAAA  
 CAGCCCATCCCCCTTACACCGCCACCTCCTCAAACCCCGTCTCCTCACGGCACGAGAAGGCATCTGCCA  
 TCACCACCACTGACACAGGAAGTGACCTCCATTCCATTGCTGGGCTCCCGTTCCTCCAGGCAAAAGCA  
 TTCTCAACTTATCCCCAACTCCTCCAAAACCTTACAAAAGGGAGCACACACCCATCCATGCACAG  
 AGATGGACCGCCACTGCTGGAGAATGCCATTCTCTCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001100716
- Insert Size:** 3960 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\_001100716.1, NP\_001094186.1

**RefSeq Size:** 6018 bp

**RefSeq ORF:** 3960 bp

**Locus ID:** 313845

**Cytogenetics:** 6q11