

## Product datasheet for **RN201603**

### Sim2 (NM\_001107108) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sim2 (NM_001107108) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sim2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201603 representing NM\_001107108  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGGAGAAGTCCAAAAATGCGGCCAAAACCAGGAGGGAGAAGAAAAATGGCGAGTTTTACGAGCTGG  
 CCAAGCTGCTCCCGCTGCCTTCGGCCATCACCTCGCAGCTGGACAAAGCTTCCATCATCCGGCTCACCCAC  
 CAGCTACCTGAAGATGCGCGCAGTCTTCCCGGAAGGTCTAGGAGATGCGTGGGGACAGCCGAGCAGAACA  
 GGGCCTCTGGACAGCGTGGCCAAAGAAGTCCATTTGCTGCAGACTCTAGATGGATTTGTGTTTTG  
 TGGTGGCCTCTGATGGCAAAATCATGTATATATCGGAGACCGCTTCTGTCCATTTAGGCTTGTCCCAGGT  
 GGAGCTCACAGGCAACAGTATTTACGAATACATCCATCCTTCTGACCACGACGAGATGACAGCAGTACTG  
 ACGGCCACCCACCGCTCCACCATCACCTGCTCCAAGAGTACGAGATAGAGCGGTCTTTCTTCTCCGAA  
 TGAAGTGGCTCTGGCAAAAAGAAATGCAGGCCTGACGTGCAGTGGATACAAGGTCATTCAGTGCAGTGG  
 CTACTTAAAGATCAGGCAGTACATGCTGGACATGTCCCTGTATGACTCCTGTTACCAGATTGTGGGGCTG  
 GTGGCCGTGGGCCAGTCCGCTGCCACCCAGCGCCATCACGGAGATCAAACCTCCACAACAATATGTTATGT  
 TCAGAGCCAGCCTCGACCTGAAGCTCATTTCTGGATTCCAGGGTGACAGAGCTTACCGCTATGAGCC  
 ACAGGACCTGATTGAAAAACACTCTACCATCATGTGCACGGCTGTGACACCTTCCACCTCCGCTATGCA  
 CACCACCTCTTGCTTGTGAAGGGCCAGGTACCCACCAAACTACTACCGGCTGCTTCAAAGCTGGGCGGCT  
 GGGTCTGGGTGCAGAGCTACGCCACCGTGGTGCACAACAGCCGTTCTCCCGGCCACTGCATCGTGAG  
 TGTCAATTATGTTCTCACGGAGTGAATAACAAGAACTTACGCTCTCTCTGGACCAGGTATCCACCTCT  
 AAGTCCCAGGAGTCCCTGGAGAACCACCTTGTCTACCTCACAAGAACTAGGAAATCAGCTAAACCCAAAA  
 CCACGAAGATGAGGACAAAGCTGAGAACCAACCCATATCCCTCACAGCAATACAGCTCGTTCCAAATGGA  
 CAAACTGGAGTGCAGCCAGGCGGGAAACTGGAGAACGAGTCCCCCACAAGTGTGTGGCTCCCCCGGAA  
 CAGCAGCTCCATTGAGAAGCCAGCGACCTTTTATATGGGCGGCCCTACAGCCTCCCTTCTCCTACCGTT  
 ACGGACACTTCCCCCTGGACTCTCATGTCTTACGAGCAAGAAGCCAGGACTGCCCGCAAGTTCGGGCA  
 GCCCAAGGATCCCCGTGTGAGGTGGCACGCTTTTCTGAGCAGACTGCCAGCCAGCAGCGAGTGCAG  
 TGGCATTATGCCAACTCCCTCATGCCAGCAGCCCTTACCAGCTAAAAACCTTTCTGAGTCTCTGTGA  
 ATGCTGCCGGCATGGACTTGTGCCAACTATGAAGCGCCCGCCGCCACCGCGCGCAGGTTCCGGCAGGA  
 CCCCAGCCCTCAAGCTTCCCGAGCTGCGGCCACTACCGGAGGAGCCGACGCTGGGCTCCGCCAAGGCA  
 GCTCGCCAGGCGTCCCGGACACAGCCGACTGGCGCTGGCCGAGCGACCCCGAGTGTGCGCGCCGC  
 CGGCCCGGAGCCACAGGCGCCGCGCAGCTGCCCTTCTGTGCTCAACTACCACCGCGTGTGGCGCG  
 CCGCGGGCCGCTGGGGAGCGCTGCGCCCGAGCTCCGGAGGCGCGCGGCTCGCTGCGGCCCGACCCCG  
 GGCCCGGTGCGAGCCTCTGCACCCGGCGCGCCCGGCCACACTACCTGGGCGCTCGGTATCATACCA  
 ACGGCAGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001107108
- Insert Size:** 1971 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\\_001107108.3](#), [NP\\_001100578.1](#)

**RefSeq Size:** 3683 bp

**RefSeq ORF:** 1971 bp

**Locus ID:** 304071

**Cytogenetics:** 11q11