

Product datasheet for **RN213606**

Sim1 (NM_001107641) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sim1 (NM_001107641) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sim1
Synonyms:	MGC189161
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213606 representing NM_001107641
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGAGAAGTCTAAAAATGCTGCCCGACGAGGAGGAGAAAGAAAACAGTGAATTTTACGAACTGG
 CTAATAACTGCGTTACCCTCAGCCATCACTCGCAACTGGACAAGCCTCGATCATCAGACTCAGCAG
 CAGCTATCTCAAAATGAGAGTGGTCTTTCCGGAAGGGCTTGGCGAGGCGTGGGGTACACCAGTCAAC
 AGCCCTCTGGATAACGTTGGTCGCGAACTCGGCTCTCATCTACTCCAGACTCTGGATGGCTTCATCTTTG
 TGGTGGCCCCAGATGGGAAGATCATGTACATCTCAGAGACAGTTTCACTTACCTGGGCCTTTCTCAGGT
 AGAACTGACTGGGAACAGCATCTATGAATATATCCACCCGGTGTATGATGAGATGACAGCAGTGCTC
 ACAGCCCATCAACCCTACCACTCTCACTTTGTACAGGAGTACGAGATCGAACGCTCCTTCTTTCTAAGGA
 TGAAGTGTGTTTTGGCCAAGCGGAATGCTGGCCTCACCTGCGGTGGCTACAAGGTCATTCAGTGTAGCGG
 CTACCTGAAGATCCGCCAGTACAGCCTGGATATGTCTCCCTTTGATGGGTGCTACAAAAATGTGGGTTTG
 GTGGCTGTGGGTCACTCCCTGCCTCCGAGCGCTGTGACAGAGATCAAACACACAGCAACATGTTTATGT
 TCCGAGCCAGTCTGGACATGAAACTCATTTTCTGGACTCCAGGGTAGCAGAGCTGACTGGGTATGAACC
 TCAGGACTTGATTGAGAAGACCTGTACCATCACGTGCACGGCTGTGACACCTTCCACCTACGCTGTGCA
 CACCATTTACTGTTGGTGAAGGGTCAAGTGTACCAAGTACTACAGGTTCTTGGCAAAACACGGCGGCT
 GGGTCTGGGTGCAGAGTTACGCCACCATCGTACACAACAGCCGCTCCTCCAGGCCGCACTGCATCGTCAG
 CGTTAACTACGTCCTCACAGACAGAAATAAAAGGGCTGCAGCTCTCTTGACCAGATATCACCTCT
 AAGCCCCTTTCTCTATACCAGCAGTCCACACCCACCATCACTGACAACAGGAAGGGGGCCAAGTCAA
 GGCTCTAGTAGCAAGTCAAAATCCAGGACCTCCCATATCCCCAGTATTCGGGATCCACAGCTGAAAG
 ATCAGAATCTGACCATGACAGCCAGTGGGTGGAAGTCCCTGACTGATACTGCCTCCCCACAGCTCCTG
 GACCCAGAGAGGCTGGCTCTCAGCAGAGTTGTCTGTGCGTACAGACAGTTTCCAGATCGCGGTTCTC
 TCTGCTATGGCTTTGCGCTGGACATTCCAGGCTGGTGGAGGACAGGCACTTCCACACCAAGCCTGCGA
 GGGAGGGCGGTGTGAGGCTGGCAGGTAATTTCTCGGAGCACACCTGCTGGGAGAGATCCCTGGTGGGT
 TCTCGAGCAGCTTCCGCTCACCAAGGCTCCCCGGAGAGCAGAGAAACCTATGAGAACAGCATGCCGC
 ACATCACCTCTGTCCACAGACTCCACGGTCGAGGTCAGTGGATGAAGATAGTGTGGTCACTCTCCAGA
 CCCTGGGTGAGCCAGTGAATCCGGTGACCGATACCGCTCCGAACAGTATCAAAATAGCCACATGAACCT
 AGCAAAATGAAACTCTCATAAGAGCCACCCAGCAGATGATTAAGAGGAAGAGAACAGATTACAGCTAA
 GGAAGGCCCTCCGACCAACTGGCTTCCATTAACGGGGCTGGGAAGAAACACTCCCTCTGTTTTGCAAA
 CTATCAACAGCCCCACCGGAGGTGAAGTCTGCCACAGCTCTGCTTACCAGCACTTCCCATGTGAC
 CACATCCAGCAGAGAGAGGGAAAGATGCTTAGCCCTCACGAAAACGACTATGACAACAGTCCCCTGAC
 TGTCTCGGATAAGTAGTCCAGTTCTGATCGCATAACAAAGTCCAGTTTAACTCCTGGCTAAAGACTATCT
 ACATTCAGATATGTCTCCTCATCAGACAGCAGGAGACCATCCTGCCATCTCTCCAACTGTTTTGGCTCC
 CACCGGCAGTATTTGATAAGCATGCCTATACGTTAACTGGTTATGCCCTGGAACATTTATATGACAGTG
 AGACTATTAGGAATATTCCTTGGGTGCAATGGCTCACACTTTGATGTAACCTCCCATTAAGGATGCA
 GCCGGACCCAGCGCAAGGACACAAGGGAACATCTGTTATAATAACCAATGGAAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001107641
Insert Size: 2298 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:	<ol style="list-style-type: none">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:	<u>NM_001107641.1</u> , <u>NP_001101111.1</u>
RefSeq Size:	7666 bp
RefSeq ORF:	2298 bp
Locus ID:	309888
Cytogenetics:	20q13