

Product datasheet for **MC221432**

Sim1 (NM_011376) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sim1 (NM_011376) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sim1
Synonyms:	bHLHe14; mSIM1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221432 representing NM_011376
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGAAAAGTCTAAAAATGCTGCCGAACGAGGAGGAGAAAAGAAAACAGTGAATTTTATGAACTGG
 CTAATAACTGCCTTTACCTCAGCCATCACCTCCCAACTGGACAAAGCATCCATCATCAGACTCAGCAG
 CAGCTATCTCAAAATGAGAGTGGTCTTTCCAGAAGGGCTTGGCGAGGCGTGGGGCCACACCAGTCAAC
 AGCCCTTGACAAACGTTGGTCGCGAACTCGGCTCTCATCTACTCCAGACTCTGGATGGCTTCATCTTCG
 TGGTGGCCCCAGATGGGAAGATCATGTACATTTACAGACAGCTTCAGTTCACCTGGGCTTTCTCAGGT
 AGAGCTGACTGGGAACAGCATCTATGAATATATCCACCCGGGTGACCACGATGAGATGACAGCCGTGCTC
 ACAGCCCATCAGCCCTACACTCTCACTTTGTACAGGAGTACGAGATCGAACGCTCCTTCTTTCTAAGGA
 TGAAGTGTGTTTTGGCCAAGCGAATGCTGGCCTCACCTGCGGTGGCTACAAGGTCATTCAGTGTAGTGG
 CTACCTGAAGATCCGCCAGTACAGCCTGGATATGTCTCCCTTTGATGGATGCTACCAAAATGTGGGCTTG
 GTGGCTGTGGGTCACTCCCTGCCTCCGAGTGTGTGACAGAGATCAAACACACAGCAACATGTTTATGT
 TCCGAGCCAGTCTGGATATGAAGCTTATTTTCTGGACTCCAGGGTGGCAGAGCTGACTGGATATGAACC
 TCAGGACTTGATTGAGAAGACCTGTACCATCACGTGCATGGCTGTGACACCTTCCACCTACGCTGTGCA
 CACCCTACTGTTGGTGAAGGGACAAGTGACCACCAAGTACTACAGGTTCTTGGCGAAGCAGGGCGGCT
 GGGTCTGGGTGCAGAGTTACGCCACCATCGTACACAACAGCCGCTCCTCCAGGCCGACTGCATCGTCAG
 CGTCAACTACGTCCTCACAGACAGAAATAAAAGGGCTACAGCTCTCCCTGGACCAGATATCAGCCTCT
 AAGCCCACTTTCTCTATACCAGCAGTTCACCTCCACTATCTCGGACAACAGGAAGGGGGCCAAGTCAA
 GGCTCTCCAGTAGCAAGTCAAAATCTAGGACCTCCCATATCCCAAGTATTCGGGATTCATACTGAGAG
 ATCGGAATCTGACCATGACAGCCAGTGGGGTGGAAAGTCCCTGACTGATACTGCCTCCCCACAGCTCCTG
 GACCCAGAGAGGCTGGCTCTCAGCACGAATTGTCTGTGCGTATAGGCAGTTCACAGATCGCAGTTCTC
 TCTGCTATGGTTTTGCTCTGGACATTCCAGGCTGGTGGAGGACAGGCACTTCCACACCAAGCCTGCGA
 GGGAGGACGGTGCAGGACAGGCAAGTACTTCTGGGAGCACCACTACTGGGAGAGATCCCTGGTGGGGC
 TCTCGAGCAGCTTTGCCTCTTACCAAGGCCTCCCGGAGAGCAGAGAAGCCTATGAGAACAGCATGCCTC
 ATATCACCTCCATCCACAGAATCCACGGTCGAGGTCAGTGGGATGAAGATAGTGTGGTCACTCTCCAGA
 CCCTGGGTGAGCCAGTGAATCTGGTGACCGATACCGCACCGAACAGTATCAAAATAGCCACATGAACCT
 AGCAAAATTTGAACTCTCATAAGAGCCACCCAGCAGATGATTAAGAGGAAGAGAACAGATTACAGCTAA
 GGAAGGCCCTCCAGACCAACTGGCTTCCATTAATGGAGCTGGGAAAAACAACCTCCTCTGTTTTGCAAA
 CTATCAACAGCCCCACCCACAGGTGAGGTCTGCCACAGCTCTGCTCTTGCCAGCACTTCCCATGTGAC
 CATATCCAGCAGAGAGAGGGAAAGATGCTCAGCCCTCATGAAAATGACTATGACAACAGCCCCACTGCAC
 TGTCTCGGATAAGTAGTCTAGTTCTGATCGCATTACAAAGTCTAGTTTAACTCCTGGCTAAAGACTATCT
 ACATTCAGATATGTCTCCCATCAGACAGCAGGAGACCCTCCTGCCATCTCTCCAACTGTTTTGGCTCC
 CACCGGCAGTATTTTGATAAGCATGCCTATACATTGACTGGTTATGCCCTGGAACACTTATATGACAGTG
 AGACTATTAGAACTATTCCTTGGGCTGCAATGGCTCACACTTTGATGTGACTTCCCATTAAGGATGCA
 ACCAGACCCAGCACAAGGACACAAGGGAACATCTGTTATAATAACCAATGGAAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011376
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:	NM_011376.3 , NP_035506.2
RefSeq Size:	7355 bp
RefSeq ORF:	2298 bp
Locus ID:	20464
UniProt ID:	Q61045
Cytogenetics:	10 24.87 cM
Gene Summary:	Transcriptional factor that may have pleiotropic effects during embryogenesis and in the adult.[UniProtKB/Swiss-Prot Function]