OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC220168

Sim2 (NM_011377) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sim2 (NM_011377) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sim2
Synonyms:	bHLHe15
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>MC220168 representing NM_011377
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGAGAAGTCCAAAAATGCGGCCAAAACCAGGAGGGAGAAGGAAAATGGCGAGTTTTACGAGCTGG
CCAAGCTGCTCCCGCTGCCTTCGGCCATCACCTCGCAGCTGGACAAAGCGTCCATCATCCGACTCACCAC
CAGCTACCTGAAGATGCGCGCGGTCTTCCCGGAAGGTCTAGGAGACGCGTGGGGACAGCCGAGCAGGACA
GGGCCTCTGGACAGCGTGGCAAAAGAGCTGGGATCCCATTTGCTGCAGACTCTAGATGGATTTGTGTTCG
TGGTGGCCTCTGATGGCAAAATCATGTATATATCTGAGACCGCTTCTGTCCATTTAGGCTTGTCCCAGGT
GGAGCTCACAGGCAACAGTATTTATGAATACATACATCCTTCTGACCACGACGAGATGACAGCCGTACTT
ACAGCCCACCCACCGCTCCACCATCACCTGCTCCAAGAGTACGAGATAGAGCGGTCTTTCTTTCTTCGAA
TGAAGTGCGTCTTGGCAAAACGAAACGCAGGCCTGACATGCAGTGGATACAAGGTCATTCACTGCAGCGG
CTACCTAAAGATCAGACAGTACATGCTGGACATGTCCCTGTACGACTCCTGTTACCAGATCGTGGGGCTG
GTGGCCGTGGGCCAGTCGCTACCGCCCAGCGCCATCACGGAGATCAAGCTCCACAGCAACATGTTCATGT
TCAGGGCCAGCCTTGACCTGAAGCTCATATTCCTGGACTCCAGGGTGACAGAGCTTACGGGCTATGAGCC
ACAAGACCTGATCGAAAAGACACTGTACCATCATGTGCATGGCTGTGACACCTTCCACCTCCGATATGCA
CACCACCTCTTGCTGGTGAAGGGCCAGGTCACCACCAAATACTACCGGCTGCTGTCCAAGCTGGGCGGCT
GGGTCTGGGTGCAGAGCTACGCCACCGTGGTGCACAACAGCCGCTCCTCCCGGCCTCACTGCATCGTGAG
TGTCAATTATGTTCTCACGGATGTTGAATACAAGGAACTTCAGCTGTCTCTGGACCAGGTATCCACCTCT
AAGTCCCAGGAGTCCTGGAGAACCACCTTGTCTACCTCACAAGAAACTAGGAAATCAGCTAAACCCAAAA
ACACAAAGATGAAGACAAAGCTGAGAACCAACCCATATCCCCCACAGCAATACAGCTCCTTCCAAATGGA
CAAACTGGAGTGCAGCCAGGTGGGAAACTGGAGAACTAGTCCCCCCACAAATGCTGTGGCTCCCCCGGAA
CAGCAGCTCCATTCAGAAGCCAGCGACCTTTTATATGGGCCGCCCTACAGCCTCCCCTTCTCCTACCATT
ATGGACACTTCCCATTGGACTCTCACGTCTTCAGCAGCAAGAAGCCAGGATTGCCCGCCAAGTTCGGGCA
GCCCCAAGGATCCCCGTGTGAGGTGGCACGCTTCTTCCTGAGCACACTGCCAGCCAGCAGCGAATGCCAG
TGGCACTGTGCCAACTCTCTAGTGCCCAGCAGCTCATCGCCAGCTAAAAACCTTTCTGAGCCTTCTCCTG
TGAATGCTGCCCGGCATGGTCTTGTGCCAAACTATGAAGCGCCCTCCGCAGCCGCGCGCAGGTTCTGCGA
GGACCCCGCGCCCCCAAGCTTCCCGAGCTGCGGCCACTACCGCGAGGAGCCGGCGCTGGGCCCTGCCAAG
GCGCCTCGCCAGGCGTCCCGGGACGCAGCCCGGCTGGCGCTGGCCCGAGCGCCCCCCGAGTGCTGCGCGC
CGCCCGCCCCCGAGCCGCAGGCGCCGGCGCAGTTGCCCTTCGTGCTGCTCAACTACCACCGCGTGCTGGC
GCGCCGCGGGCCTCTGGGGAGCGCTGCGCCCGGAGCCCCCGAGGCGGCCGGCTCGCTGAGGCCCCGACAC
CCAGGCCCCGTCGCCGCCTCTGCGCCCGGCGCGCCCCGACCGCATTACCTGGGCGCCTCGGTCATCATCA
CCAACGGCAGGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_011377

Insert Size: 1974 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_011377.2, NP_035507.2
RefSeq Size:	3670 bp
RefSeq ORF:	1974 bp
Locus ID:	20465
UniProt ID:	Q61079
Cytogenetics:	16 55.05 cM
Gene Summary:	Transcription factor that may be a master gene of CNS development in cooperation with Arnt. It may have pleiotropic effects in the tissues expressed during development. [UniProtKB/Swiss-Prot Function]