

Product datasheet for MC224336

Simc1 (NM_176987) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Simc1 (NM_176987) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Simc1
Synonyms:	4732471D19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224336 representing NM_176987 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGGACTTTATCGTGATCTCCGACGACAGTGGCTCCGAGAGCTCGGCCGGGACCCGCTCGGGCAGGG
CGCGGAGGCTGCGCCGGGCCCTGTCTCGGACCCCCGGCGCGCTGCCCGCCGAACCGTGGACTTCATTGA
CTTAAGTACGAGAAACCGAGCAAGGACAAAAGACCGGAATGGACTCTGTGTGATTGATCTAACAAGAAAT
GAGGAAGAAAATAGGCCTATTGCCACTTGTGTTGACTTTAGAACCTGTAGCTTCCTCTCAGAAGGAGC
CAACCACTCTTACAGATGTACCACTCTCTCGGCAAGAAGTGTGGAAGCCCATGAAGATAGAGGCTC
TCAGCCTGCAGCACAGAGAATCATTAAACATGATCCTGTAGATTTGGATTGCTAGAGGAAAACCTGTTT
GAAGGTTCTCGACCCCTACATCTATACGCCAGGACTCTGTTTATCCACCAGAACCAAACTGTAGCTCAA
TCACATATAAAGGTGACCTCAGCTTCTTGACAAGCCTACAGCTCTCTTCAGATGTTAGCTCCTTCTCCTC
CACAAGCAATCAGAGGGCCTCTTTGCCATGCCACAGCAAGATGTGCCTTGTCATCACAAGGCTTGCTA
TGCCCGCTACAGGCCTTATCATGCCCACAAACAGCTTCACCATGTCCACCACGAGCTTCCTCATGCCAC
CACAAGCCCTGTCATGCCACCTCAAGCTTTGTCATGCCCATCACAACCTTACAGTGCCAACTCCAAGC
TTTGCCTCAACCACCTCAAGAAGTGCCATGCTCTACCCAAATGTACCGTGCCCTCAGCAGAATATGCCA
AGCACACCTCAAGGCTTATCATGGCATCCTCGACACACCTATACCCATATCAAGACACTCTGGGCTTAC
CTCAAGATGTTCCAGGCCGACCTCAAAACATGTATATCCACAAGATGTGACACAACTGCAAGACATGCC
ATGGTCACTACATGACATGCCACTGTCACTACAAGATGTGTTACAGTCACTGCAAGATGTGCCACCATG
CTGGGAGATGTGCCGCCATCACCAGAAGTGTGACAGTACCAGGATATGTGACACAGACATCAAGAGATG
TGATTCAGTACCGGCAGGTGTGACACAGTCACTAGGAAGTATGATGCAGTACCCAGGAAGTGTGACCCA
GTCACTAAGAAGTGTGATGCAGTCATCAGGAAGTGTGACCCAGTCACTAAGAAGTGTGATGCAGTCATCA
GGAAGTGTGACCCAGTCACTAAGAAGTGTGATGCAGTCATCAGGAAGTGTGATGCAGTACCCAGGAGGTG
TGACACAGTCACTAAGAAGTGTGACGAGTCACCAGGAGGTGTGATGCAGTACCCAGGAGGTGTAATGCA
GTCACCAAGAGATGTGATGCAGTACCAAGAGATGTGATGCAGTACCAAGAGATGTGATGCAGTACCA



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AGAGGTGTGACACAGTCACTAGGAAGTATGATGCAGTCACCAGGAGGTGTGATGCAGTCACTAAGAAGTG
 TAATGCAGTCATCAGGAGGTGTGACACAGTCACTAAGAAGTGTGATGCAGTCACCAGGAGGTGTGATGCA
 GTCACCAGGAGGTGTGACACAGTCACCAAGAGGTATGATTAAGTCACCAGGAATGATGCTGTACCAGGA
 GATGTGATACAGTCACTAAACAGTGTGCCACAGTCATCAAGAGATAGGATGCAGTCAGCAGGACATGTGC
 CATCAGCATCAGGAGATGCAATACAATCACCAGGAGGTATGTACCGACATCAAGAGATAGGATGCAGTC
 ACCAGGAGGTGTGCTACTGGCAACAGAAGATTCGATACAGTTACCAGGAGGTGTGCCACTATCATCAGAT
 GTGATACAGTCACAAGGAGGTGTGCCATTATCATCAAAAGATAGGATGCAGTCACCAGGAGGTGTGCCAC
 CATCATCTGGAGATATGATACAGTCACAAGGAGGTGTGCCACAATCATTAGGAGATGCAATACAGTCAGC
 AGGAGGTGTGCCACAATCATCAGGAGATGCGATACAGTCACCAGGAGGTGTGCTACTGGCAACAGGAGAT
 TCGATACAGTTACCAGGAGGCGTGCCACTATCATCGGGAGATGTGATACAGTCCCAAGGAGGTGTGCCAC
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 AGTCACCTAGCGGTACATTGCGGTACCAGGCAATATGTCAGAGTCACTTGGAGATACACCAAATTATC
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 GATGTGAGAATCGTGATCTCTATGGATATCTCAGCTTCATCTCTTCAAGTTGCTCTGCTAACCAC
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 AGAGAAATCACTGCCACAGCTTGCCAACCTGGGTCTGCTCAGATACAAGGACAAATACCACAAGTTGGG
 GTATACAATAGACCTTGCTGCATAGACTGAAATACTTCTTACGGCCTCCAGTACATCATCTCTTCTTCC
 AGACATTAATACCAGATAAAGATACACGAGAGAGCAAGGGTCAGAAATTAGAACCCATCCCTCATCGAAG
 ACTAAGAATGGTGACAAACACTATTGAAGAAACTTCCCTTTGGGACTGTGCAGTTTTTAAATGGACTTT
 GTTTCACCCCAACATTACCCACCCAGAGAAATTGTGGCTCACATCGTCCAGAAAATCCTGCTCAGTGGCT
 CTGAGACTGTGGATGTCTCAAGGAGGCTACATGCTTCTCATGAAAATCCAACAGCTGCATCCAGCCAA
 TGCCAAGACAGTGGAGTGGGACTGGAACTGCTCACCTATGTGATGGAGGAAGAGGACAAACTCTGCCT
 GGACGAGTTCTCTTTCTACGCTACGTAGTGCAAACTTGAAGATGACTTCCAGCAGATCTTGAGGAGAC
 AGCGGCAGCACCTACAGCAATCCATTGCAAACTGTTCTGTGATGTGACAAACAGCCTCACAATGTCAG
 AGATGTTATTAAGTGGCTGGTCAAAGCAGTGACTGAAAATGAATTAACCTCACCCCAAGATGAGACTCAG
 ACCTCTCCAAGAACAGGAGTCTTGAAACTAGCAGTGACCATCTGTCTCCCGGCCTAACCAGAACAGA
 ACACCAATCAACTGATTGTGTGTCAGCTTCAGAGGATGTTGTCCATCGCTGTAGAGGTGGACAGGACTCC
 AACCTGCAGTCCAATAAAATAGCGGAGATGATGTTTGGGTTTGTGCTGGATATCCCTGAGAGGAGCCAG
 AGGGAGATGTTCTTTACTACCATGGAAAGCCACCTTCTGCGATGCAAAGTCTGGAGATCATATTCTGTC
 ACAGCTGTGAGACACCCACCGTCTCCCTTGTCTCTGCGCCAGACCCTCTATTTTCTGAACAACTCCAC
 GTCCCTGTCTAAGTGTCAATCAGATAAAACGCAGTGGCAGACATGGGATGAGCTGGTTGAACATCTGCAG
 TTCCTGTGTCCAGTTATCAACACGTGCTGAGAGAGCACCTACGGAGCTCAGTGATTGATCGGAAAGACT
 TAATCATCAAAAGAAATTAAGCCCAAGCCCAACAAGGAGATGACATCACGGTGTGGATGTGGAGAAGCA
 GATCGAGGCCTTCCGAGCCGCTGGTCCACATATTGGGAGAACCTTTAGTCCCCAGCTCCAAGACAAA
 GTGCATTGTGGAAGCTGCTGCTTCTATGCTGCGGACTTGAACCCGACACAGAGCCTGCTTCAGAGC
 ACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_176987

Insert Size:

4065 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_176987.4</u> , <u>NP_795961.3</u>
RefSeq Size:	4811 bp
RefSeq ORF:	4065 bp
Locus ID:	319719
UniProt ID:	<u>E9Q6E9</u>
Cytogenetics:	13 B1
Gene Summary:	Inhibits the protease activity of CAPN3.[UniProtKB/Swiss-Prot Function]