

Product datasheet for SC118211

SMARCC1 (NM_003074) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SMARCC1 (NM_003074) Human Untagged Clone
Tag: Tag Free
Symbol: SMARCC1
Synonyms: BAF155; CRACC1; Rsc8; SRG3; SWI3
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003074 edited
 ATGGGGGCCCGCCACCAAGTTTTGGGAGAGCCCGGAGACGGTGTCCAGCTGGATTCGG
 TGCGGGTCTGGCTGGCAAGCACTACAAGAAGTATGTTTCATGCGGATGCTCCTACCAATA
 AAACACTGGCTGGCTGGTGGTGCAGCTTCTTCAGTTCCAGGAAGATGCCTTTGGGAAGC
 ATGTCACCAACCCGGCTTACCACAACTCCCTGCAAAGTGTTCATGGATTTCAAAGCTG
 GAGGCGCCTTATGTCACATTCTTGGGGCTGCTTACAAGTATAAAAATGAACAGGGATGGC
 GGGAGGTTTGACCTACAGAACCCATCTCGAATGGATCGTAATGTGAAAATGTTTATGAAC
 ATTGAAAAACATTGGTGCAGAACAATTGTTTGACCAGACCCAACATCTACCTCATTCCA
 GACATTGATCTGAAGTTGGCTAACAAATTGAAAGATATCATCAAACGACATCAGGGAACA
 TTTACGGATGAGAAGTCAAAGCTTCCCACCACATTTACCCATATCTTCTCACAAGAC
 GATGAAGAATGGTTGAGACCGGTGATGAGAAAAGAGAAGCAAGTGTAGTGCATTGGGGC
 TTTTACCAGACAGCTATGATACTTGGGTCCATAGTAATGATGTTGATGCTGAAATTGAA
 GATCCACCAATTCCAGAAAAACCATGGAAGGTTTCATGTGAAATGGATTTTGGACACTGAT
 ATTTTCAATGAATGGATGAATGAGGAGGATTATGAGGTGGATGAAAATAGGAAGCCTGTG
 AGTTTTTCGTCAGCGGATTTCAACCAAGAATGAAGAGCCAGTCAGAAGTCCAGAAAGAAGA
 GATAGAAAAGCATCAGCTAATGCTCGAAAGAGGAAACATTCGCCTTCGCCTCCCCCTCCG
 ACACCAACAGAATCACGGAAGAAGAGTGGGAAGAAAGGCAAGCTAGCCTTTATGGGAAG
 CGCAGAAGTCAGAAAGAGGAAGATGAGCAAGAAGATCTAACCAAGGATATGGAAGACCCA
 ACACCTGTACCAATATAGAAGAAGTAGTACTTCCAAAAATGTGAACCTAAAGAAGAT
 AGTGAATAACACCTGTTAAAGGAGGAAGTGTAGCGGATCTAGATGAGCAGGATGAAGAA
 ACAGTCACAGCAGGAGGAAGGAAGATGAAGATCCTGCCAAAGGTGATCAGAGTCGATCA
 GTTGACCTTGGGAAGATAATGTGACAGAGCAGACCAATCACATTATTATTCCTAGTTAT
 GCATCATGGTTTATTATAACTGTATTCATGTGATTGAACGGCGTCTTCTCCTGAGTTC
 TTCAATGGAAAAACAAATCCAAGACTCCAGAAATATACTTGGCATATCGAAATTTTATG
 ATTGACACGTATCGTCTAAACCCCAAGAGTATTTAACTAGCACTGCTTGTGCGGAGGAAC
 TTGACTGGAGATGTGTGCTGTGATGAGGGTCCATGCCTTTTTAGAGCAGTGGGGACTC
 GTTAATTACCAAGTTGACCCGAAAGTAGACCCATGGCAATGGGACCTCCTCCTACTCCT



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CATTTTAATGTATTAGCTGATACCCCTCTGGGCTTGTGCCTCTGCATCTTCGATCACCT
 CAGGTTCTGCTGCTCAACAGATGCTAAATTTTCTGAGAAAAACAAGGAAAAACCAAGTT
 GATTTGCAGAAGTTTGGTCTCCGTAAGTACTGACATTTACTCCAAGAAAAACATTAGCAAAGAGT
 AAGGGTGTAGTCTGGAAGAGAATGGACTGAACAGGAGACCCCTTCTACTCTGGAGGCC
 CTGGAGATGTACAAGGATGATTGGAACAAAGTGTGGAACATGTTGGAAGTCGTAAGTCA
 GATGAATGCATCCTCCACTTTTTGAGACTTCCCATTGAGGACCCATACCTTGAGAATTC
 GATGCTTCCCTTGGGCCCTTTGGCCTACCCAGCCTGTCCCCTTCAGTCAGTCAGGAAATCA
 GTTATGAGTACTGTTGCTTTTTTGGCATCTGTGGTGGACCTCGCGTGGCATCTGCTGCA
 GCAAAAGCGGCTTTGGAGGAGTTTTCTCGGGTCCGGGAGGAGGTACCACTGGAATTGGTT
 GAAGCTCATGTCAAGAAAGTACAAGAAGCAGCAGCAGCCTCTGGGAAAGTGGATCCCACC
 TACGGTCTGGAGAGCAGCTGCATTGCAGGCACAGGGCCCGATGAGCCAGAGAAGCTTGAA
 GGAGCTGAAGAGGAAAAATGGAAGCCGACCCTGATGGTGCAGCAGCCTGAAAAGGCAGAA
 AATAAAGTGGAAAATGAAACGGATGAAGGTGATAAAGCACAAGATGGAGAAAATGAAAA
 AATAGTAAAAGAACAGGATAGTGAAGTGAGTGAGGATACCAAATCAGAAGAAAAGGAG
 ACTGAAGAGAACAAGAAGTCACTGATACATGTAAGAAAAGAGAAAAGTACTGGGAAG
 AAGAAAAGTAGAACATGAAATTTCCGAAGGAAATGTTGCCACAGCCGAGCAGCTGCTCTT
 GCCTCAGCGGCTACCAAAGCCAAGCACCTGGCTGCAGTGGAAAGAAAAGATCAAGTCC
 CTGGTAGCTCTCTTGGTTGAGACACAAATGAAGAACTAGAGATCAAACCTTCGACATTTT
 GAAGAGCTGGAAACTATCATGGACAGAGAGAAAGAAGCTCTAGAACAACAGAGGCAGCAG
 TTGCTTACTGAACGCCAAAACCTCCACATGGAACAGCTGAAGTATGCTGAATTACGAGCA
 CGACAGCAAATGGAACAGCAGCAGCATGGCCAGAACCCTCAACAGGCACACCAGCACTCA
 GGAGGACTGGCCTGGCCCCACTTGGAGCAGCAGGGCACCCCTGGCATGATGCCTCATCAA
 CAGCCCCCTCCCTACCCTCTGATGCACCACCAGATGCCACCACCTCATCCACCCAGCCA
 GGTGAGATACCAGGCCAGGTTCCATGATGCCCGGGCAGCACATGCCAGGCCGATGATT
 CCCACTGTTGCAGCCAACATCCACCCCTCTGGGAGTGGCCCTACCCTCCTGGCATGCCA
 CCAATGCCAGGAAACATCTTAGGACCCCGGGTACCCTGACAGCACCTAACGGCATGTAT
 CCCCCTCCACCACAGCAGCAGCCACCGCCACCACCTGCAGATGGGGTCCCTCCGCT
 CCTGCTCTGGCCGCCAGCCTCAGCTGCTCCTTAG

- Restriction Sites:** NotI-NotI
- ACCN:** NM_003074
- Insert Size:** 5600 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_003074.2.
- 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_003074.2 , NP_003065.2
RefSeq Size:	5750 bp
RefSeq ORF:	3318 bp
Locus ID:	6599
UniProt ID:	Q92922
Cytogenetics:	3p21.31
Domains:	CHROMO, myb_DNA-binding, SWIRM
Protein Families:	Stem cell - Pluripotency, Transcription Factors
Gene Summary:	The protein encoded by this gene is a member of the SWI/SNF family of proteins, whose members display helicase and ATPase activities and which are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI and contains a predicted leucine zipper motif typical of many transcription factors. [provided by RefSeq, Jul 2008]