

Product datasheet for **SC326347**

SMRC2 (SMARCC2) (NM_001130420) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMRC2 (SMARCC2) (NM_001130420) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMARCC2
Synonyms:	BAF170; CRACC2; CSS8; Rsc8
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001130420, the custom clone sequence may differ by one or more nucleotides

```

ATGGCGGTGCGGAAGAAGGACGGCGGCCCAACGTGAAGTACTACGAGGCCGCGGACACC
GTGACCCAGTTCGACAACGTGCGGCTGTGGCTCGGCAAGAACTACAAGAAGTATATACAA
GCTGAACCACCCACCAACAAGTCCCTGTCTAGCCTGGTTGTACAGTTGCTACAATTTGAG
GAAGAAGTTTTGGCAAACATGTCAGCAATGCACCGCTCACTAACTGCCGATCAAATGT
TTCCTAGATTTCAAAGCGGGAGGCTCCTTGTGCCACATTCTTGCACTGCCTACAAATTC
AAGAGTGACCAGGGATGGCGGCTTACGATTTCCAGAATCCATCACGCATGGACCGCAAT
GTGGAAATGTTTATGACCATTGAGAAGTCTTGGTGCAGAATAATTGCCTGTCTCGACCT
AACATTTTCTGTGCCAGAAATTGAGCCAACTACTAGGGAAATTAAGGACATTATC
AAGAGACACCAGGGAACAGTCACTGAGGATAAGAACAATGCCTCCCATGTTGTGTATCCT
GTCCCGGGGAATCTAGAAGAAGAGGAATGGGTACGACCAGTCAATGAAGAGGGATAAGCAG
GTTCTTCTGCACTGGGGCTACTATCCTGACAGTACGACACGTGGATCCCAGCGAGTGAA
ATTGAGGCATCTGTGGAAGATGCTCCAACCTCCTGAGAACTAGGAAGGTTTCATGCAAAG
TGGATCCTGGACACCGACACCTTCAATGAATGGATGAATGAGGAAGACTATGAAGTAAAT
GATGACAAAAACCCTGTCTCCCGCCGAAAGAAGATTTAGCCAAGACACTGACAGATGAG
GTGAACAGCCAGATTCAGATCGACGGGACAAGAAGGGGGAACTATAAGAAGAGGAAG
CGTCCCCCTCTCCTTCAACAACCCAGAAGCAAAGAAGAAAAATGCTAAGAAAGGTCCC
TCAACACCTTACACTAAGTCAAAGCGTGGCCACAGAGAAGAGGCAAGAAGACCTGACA
AAGGACATGGACGAGCCCTCACCAGTCCCAATGTAGAAGAGGTGACACTTCCAAAAACA
GTCAACACAAAGAAAGACTCAGAGTCGGCCCCAGTCAAAGGCGGCACCATGACCGACCTG
GATGAACAGGAAGATGAAAGCATGGAGACGACGGGCAAGGATGAGGATGAGAACAGTACG
GGGAACAAGGGAGAGCAGACCAAGAATCCAGACCTGCATGAGGACAATGTGACTGAACAG
ACCCACCACATCATCATTCCCAGCTACGCTGCCTGGTTTGACTACAATAGTGTTCATGCC
ATTGAGCGGAGGGCTCTCCCGAGTTCTTCAACGCAAGAACAAGTCCAAGACTCCAGAG
ATCTACCTGGCCTATCGAACTTTATGATTGACTTACCAGACTGAACCCCAAGAGTAT
CTTACCTTACCCTGCGCCGAAACCTAGCGGGTGTGCTGTGCCATCATGAGGGTC
CATGCCTTCTAGAACAGTGGGGTCTTATTAACCTACCAGGTGGATGCTGAGAGTCGACCA
ACCCCAATGGGGCTCCGCTACCTTCACTTCCATGTCTTGGCTGACACACCATCAGGG
CTGGTGCCTCTGCAGCCCAAGACACCTCAGGGCCGAGGTTGATGCTGATACCAAGGCT
GGGCGAAAGGGCAAAGAGCTGGATGACCTGGTCCAGAGACGGCTAAGGGCAAGCCAGAG

```



[View online >](#)

```

CTGCAGACCTCTGCTTCCCAACAAATGCTCAACTTTCCTGACAAAAGGCAAAGAGAAAACCA
ACAGACATGCAAAACTTTGGGCTGCGCACAGACATGTACACAAAAAGAATGTTCCCTCC
AAGAGCAAAGGCTGCAGCCAGTGCCACTCGTGAGTGGACAGAACAGGAAACCCTGCTTCTC
CTGGAGGCACTGGAAATGTACAAAGATGACTGGAACAAAGTGCCGAGCATGTGGGAAGC
CGCACACAGGACGAGTGCATCTTGCAATTTCTTCGTCTTCCCATTGAAGACCCATACCTG
GAGGACTCAGAGGCTCCCTAGGCCCTGGCCTACCAACCCATCCCCTTCAGTCAGTCG
GGCAACCCTGTTATGAGCACTGTTGCCTTCTGGCCTCTGTCGTGATCCCCGAGTCGCC
TCTGCTGCTGCAAAAGTCAGCCCTAGAGGAGTTCTCCAAAATGAAGGAAGAGGTACCCACG
GCCTTGTTGGAGGCCATGTTTCGAAAAGTGGAAGAAGCAGCCAAAAGTAACAGGCAAGGCG
GACCTGCCTTCGGTCTGGAAAGCAGTGGCATTGCAGGAACCACCTCTGATGAGCCTGAG
CGGATTGAGGAGAGCGGGAATGACGAGGCTCGGGTGGAAAGGCCAGGCCACAGATGAGAAG
AAGGAGCCCAAGGAACCCGAGAAGGAGGGGGTGTATAGAGGAGGAAGCAAAAGAGAAA
ACCAGCGAGGCTCCCAAGAAGGATGAGGAGAAAGGAAAGAAGGCCGACAGTGAGAAGGAG
TCCGAGAAGAGTGATGGAGACCCAATAGTCGATCCTGAGAAGGAGAAGGACCAAGGAA
GGGAGGAGGAAGTGCTGAAGGAAGTGGTGGAGTCTGAGGGGAAAGGAACAAAGGTG
GAGCGGGACATTGGCAGGGCAACCTCTCCACCGCTGCTGCCGCCGCCCTGGCCGCCGCC
GCAGTGAAGCTAAGCACTTGGCTGCTGTTGAGGAAAGGAAGATCAAATCTTTGGTGGCC
CTGCTGTTGGAGACCCAGATGAAAAAGTTGGAGATCAAATTCGGCACTTTGAGGAGCTG
GAGACTATCATGGACCGGGAGCGAGAAGCACTGGAGTATCAGAGGCAGCAGCTCCTGGCC
GACAGACAAGCCTTCCACATGGAGCAGCTGAAGTATGCGGAGATGAGGGCTCGGCAGCAG
CACTTCCAACAGATGCACCAACAGCAGCAGCAGCCACCACCAGCCCTGCCCCAGGCTCC
CAGCCTATCCCCCAACAGGGGCTGCTGGGCCACCCGAGTCCATGGCTTGGCTGTGGCT
CCAGCCTCTGTAGTCCCTGCTCCTGCTGGCAGTGGGGCCCTCCAGGAAGTTTGGGCCCT
TCTGAACAGATTGGCAGGCAGGGTCAACTGCAGGGCCACAGCAGCAGCAACCAGCTGGA
GCCCCCAGCCTGGGGCAGTCCCACCAGGGTTCCCCCCTGGACCCATGGCCCTCA
CCGTTCCCAACCAACAACTCCTCCCTCAATGATGCCAGGGCAGTGCCAGGCAGCGGG
CACCCAGGCGTGGCGGCCAAAGCCCTGCCATTGTGGCAGCTGTTAGGGCAACCTCCTG
CCCAGTGCAGCCACTGCCAGACCCAGGCACCCCTGCCTCCAGACCCACAGCCCCG
AGCCAGGCACGGTACCCTGTGCCACCTCCACAG
    
```

- Restriction Sites:** Please inquire
- ACCN:** NM_001130420
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001130420.1</u> , <u>NP_001123892.1</u>
RefSeq Size:	5402 bp
RefSeq ORF:	3459 bp
Locus ID:	6601
UniProt ID:	<u>Q8TAQ2</u>
Cytogenetics:	12q13.2
Protein Families:	Transcription Factors
Gene Summary:	<p>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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) contains an alternate in-frame exon in the central coding region and contains alternate in-frame segment in the 3' coding region, compared to variant 1. The encoded isoform (c), contains a novel internal segment, lacks a segment near the C-terminus, and is shorter than isoform a.</p>