

Product datasheet for **SC109777**

SMRC2 (SMARCC2) (NM_003075) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMRC2 (SMARCC2) (NM_003075) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMRC2
Synonyms:	BAF170; CRACC2; CSS8; Rsc8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003075 edited
 GAATTCGGCACGAGGCGGGGCCCGAGCCGAGAGAAGATGGCGGTGCGGAAGAAGGACGGCG
 GCCCAACGTGAAGTACTACGAGCGCCGGACACCGTGACCCAGTTCGACAACGTGCGGC
 TGTGGCTCGGCAAGAAGTACAAGAAGTATATACAAGCTGAACCAACCAACAAGTCCC
 TGCTAGCCTGGTTGTACAGTTGCTACAATTTTCAGGAAGAAGTTTTGGCAAACATGTCA
 GCAATGCACCGCTCACTAACTGCCGATCAAATGTTTCTAGATTTCAAAGCGGGAGGCT
 CCTTGTGCCACATTCTTGACGCTGCCTACAAATCAAGAGTGACCAGGGATGGCGCGT
 ACGATTTCCAGAATCCATCACGCATGGACCGCAATGTGGAAATGTTTATGACCATTGAGA
 AGTCTTGGTGCAGAATAATTGCCTGTCTCGACCTAACATTTTTCTGTGCCAGAAATTG
 AGCCAACTACTAGGAAATTAAGGACATTATCAAGAGACACCAGGGAACAGTCACTG
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 CTGACAGTTACGACACGTGGATCCCAGCGAGTGAATGAGGCATCTGTGGAAGATGCTC
 CACTCCTGAGAAACCTAGGAAGTTCATGCAAAGTGGATCCTGGACACCGACACCTTCA
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 TGATTGACACTTACCGACTGAACCCCAAGAGTATCTTACCTTACCGCCTGCCCGCGAA
 ACCTAGCGGGTGTGTCTGTGCCATCATGAGGGTCCATGCCTTCTAGAACAGTGGGGTC



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TTATTAACCTACCAGGTGGATGCTGAGAGTCGACCAACCCCAATGGGGCCTCCGCCTACCT
CTCACTTCCATGTCTTGGCTGACACACCATCAGGGCTGGTGCCTCTGCAGCCCAAGACAC
CTCAGCAGACCTCTGCTTCCCAACAAATGCTCAACTTTCCTGACAAAGGCAAAGAGAAAC
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CCAAGAGCAAGGCTGCAGCCAGTGCCACTCGTGAAGTGGACAGAACAGGAAACCCTGCTTC
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GGGAGAGAGGATAGGATGGGAATGCTGCCCTAAAGGAAGGGCTGGTGAAGGTGTTTATA
CAAGGTTCTATTAACCACTTCTAAGGGTACACCTCCCTCCAAACTACTGCATTTTCTATG
GATTAATAAAAAAAAAAAAAAAAAAAGTTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003075 unedited
 CTTACTATAGGCGGCCGCGNAATTCGCACGAGGCGGGCCCGAGCCGGAGAAGAGGCGGT
 GCGGAAGAAGGACGGCGGCCCAACGTGAAGTACTACGAGGCCGGACACCGTGACCCA
 GTTCGACAACGTGCGGCTGTGGCTCGGCAAGAAGTACAAGAAGTATATACAAGCTGAACC
 ACCCACCAACAAGTCCCTGTCTAGCCTGGTTGTACAGTTGCTACAATTTTCAGGAAGAAGT
 TTTTGGCAAACATGTCAGCAATGCACCGCTCACTAACTGCCGATCAAATGTTTCCTAGA
 TTTCAAAGCGGGAGGCTCCTTGTGCCACATTCTGCAGCTGCCTACAAATTCAGAGTGA
 CCAGGGATGGCGCGTTACGATTTCCAGAATCCATCACGCATGGACCGCAATGTGGAAAT
 GTTTATGACCATTGAGAAGTCTTGGTGCAGAATAATTGCCTGTCTCGACCTAACATTTT
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 GAATCTAGAAGAAGGAATGGGTACGACCAGTCATGAAGAGGGATAAGCAGGTTCTTCT
 GCACTGGGCTACTATCCTGACAGTTACGACACGTGGATCCCAGCGAGTGAATTTGAGGC
 ATCTGTGGAAGATGCTCCAACCTCTGAGGAAACCTAGAAGTTTCATGCCAAGTGGATCCT
 GGACCCGACACCTTCATGGATGGATGAATGAGGAAGACTTTGAGGTAATGATGACAAA
 AACCTGTCTCCCGCCGTAAGAATATN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003075 unedited
 TATGGACCGCGGCCGCAATCTAGNGTCGAGTTTTTTTTTTTTTTTTTTTTTAAATCCATAGA
 AAAGCAGTAGTTTTGGAGGAGGTACCCTTAGAAGTGGTAAATAGAACCTTGTATAAAC
 ACCTTTCACCAGCCCTTCTTTAGGGCAGCATTCCCATCCTATCCTCTCTCCAGACATT
 ATAAACATCTTTAAACAGAAGTCTTGAATAATCTGATATAAAAATGCATGCCTCTGTT
 AGGCATGGTGAGGGCTTTGGAGGGGCGGAAGGAGCTTTCCTTACGTAGTGATGAACCTC
 CAGGCTGGGGAGGGTCCCAGTGGTGGGGAAAGGCTGTTCTGGAACCGTGATGTCCACA
 GGGGGTGAGGGGAGAGATGTCTGGCTGGCTCCTCACTGTGGAGGTGGCACAGGGGTGAC
 CGTGCCTGGGCTCGGGCTGTGGGTCTGGAGGCAGGGGGTGCCTGGGTCTGGCAGTGG
 GCTGCACTGGGCAGGAGGTTGCCCTGAACAGCTGCCACAATGGCAGGGCTTTGGGCTG
 GCGGATCCGAGCCCGGCCGAGAGGCAAGGAAGATGGCATGGTGGTGGTTCGCCGGCAG
 GTTAGGATGTAGAGGTTTCGCCATGGACACAGGCAGGTTAGTGGGGGGAGAGTGCCCGG
 GGCAACGGGAGATGGTGGTGTGCCCATGCAGGTTAGGAGGAGCGGGAGGTTAACT
 GATGGAGTCAGCTAGACTACCAAAGGGATGATGGATGGACCCAGAGGAGGANGATGCC
 GCATGCCAAAGGCAAACCAAAGGGCATTACCCGCCACGCCTGGTGGCCGCTGCCTGGCA
 CTGCCCTGCCATCATTGAGGAGGAATTTGTTGGTTGGGACCGTGAAGGCGCTGGGGT
 CCAGGGGGGGACCCCTGTTGGACTGCCAGTCGGGGGGGCCACCTGGTGTCTGCTGCTG
 GGCCCTCC

Restriction Sites:

NotI-NotI

ACCN:

NM_003075

Insert Size:

3900 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_003075.2](#), [NP_003066.2](#)

RefSeq Size: 4039 bp

RefSeq ORF: 3645 bp

Locus ID: 6601

UniProt ID: [Q8TAQ2](#)

Cytogenetics: 12q13.2

Domains: CHROMO, myb_DNA-binding, SWIRM

Protein Families: 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes isoform a.