

Product datasheet for **SC111021**

SMARCD3 (NM_003078) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCD3 (NM_003078) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMARCD3
Synonyms:	BAF60C; CRACD3; Rsc6p
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_003078 edited
GAATTCGGCACGAGGCTCAGAATGGCCCTTGGTGTGCAGGCGCGGTGGGCTCCGGGCC
AGGCACCGAGGGGGCACTGGATGACTCTCCAGGTGCAGGACCCTGCCATCTATGACTCCA
GGTCTTCAGCACCCACCCACCGTGGTACAGCGCCCCGGGATGCCGTCTGGAGCCCGGATG
CCCCACAGGGGGCGCCCATGGGCCCCCGGGCTCCCCGTACATGGGCAGCCCCGCCGTG
CGACCCGGCCTGGCCCCCGGGCATGGAGCCCGCCGAAGCGAGCAGCGCCCCCGCC
GGGCAGAGCCAGGCACAGAGCCAGGGCCAGCCGGTGCCACCCCGCCCGCGGAGCCGC
AGTGCCAAGAGGAGGAAGATGGCTGACAAAATCCTCCCTCAAAGGATTCGGGAGCTGGTC
CCCGAGTCCCAGGCTTACATGGACCTCTTGGCATTGAGAGGAACTGGATCAAACCATC
ATGCGGAAGCGGGTGGACATCCAGGAGGCTCTGAAGAGGCCATGAAGCAAAAGCGGAAG
CTGCGACTCTATCTCCAACACTTTTAAACCCTGCGAAGCCTGATGCTGAGGATCCGAC
GGCAGCATTGCCTCCTGGGAGCTACGGGTGGAGGGGAAGCTCCTGGATGATCCCAGCAA
CAGAAGCGGAAGTTCTCTTTCTTCAAGAGTTTGGTCATCGAGCTGGACAAAGATCTT
TATGGCCCTGACAACCACCTCGTTGAGTGGCATCGGACCCACGACCCAGGAGACGGAC
GGCTTCCAGGTGAAACGGCCTGGGGACCTGAGTGTGCGTGCACGCTGCTCCTCATGCTG
GACTACAGCCTCCCCAGTTCAAACCTGGATCCCCGCTAGCCCGCTGCTGGGGCTGCAC
ACACAGAGCCGCTCAGCCATTGTCCAGGCCCTGTGGCAGTATGTGAAGACCAACAGGCTG
CAGGACTCCCATGACAAGGAATACATCAATGGGGACAAGTATTTCCAGCAGGTAACCTCT
CTCCTGAACCCTGGGATCTGGGGAGCAGGCGGAGTTCTCCAGCAGGGGAAGTACCTCTAC
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CCAACCGCTTTCTGGAATGTAATATTCTTGGCACTTGGAGTTAGGATCCCAGGTTCTAG
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GCAGGCTGACCCAGGGCCGCACTCTCAACCCCTGCCCACTGACCCACCCCTATCT
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GGAGCAGTCGCTGGTGTGCGCAACACCTAGGAGCCAAAAATAAGCAGCAGCAGGAAAC
TTTCAGCCGTGTCGGGGCCCCAGCATTTTGGCCCGGGCTCCAGCATCACTCCTTGCCA
CCTTGGGGTGTGGGGCTGGATTAAGTCAATTCATCTGAAAAAAAAAAAAAAAAAACTC
GAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003078 unedited
 CGTTCAAATATTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTCAGAAT
 GGCCCTTGGTGTGTCAGGCGCGGTGGGCTCCGGGCCAGGCACCGAGGGGCACTGGATG
 ACTCTCCAGGTGCAGGACCCTGCCATCTATGACTCCAGGTCTTCAGCACCCACCCACCGT
 GGTACAGCGCCCCGGGATGCCGTCTGGAGCCCGGATGCCCCACCAGGGGGCGCCCATGGG
 CCCCCGGGCTCCCCGTACATGGGCAGCCCCCGTGGCAGCCCGGCTGGCCCCGCGGG
 CATGGAGCCCCGCGCAAGCGAGCAGCCCCCGCCCGGGCAGAGCCAGGCACAGAGCCA
 GGGCCAGCCGGTGCCACCCGCCCGCGCGGAGCCGAGTGCCAAGAGGAGGAAGATGGC
 TGACAAAATCCTCCCTCAAAGGATTCGGGAGCTGGTCCCGAGTCCCAGGCTTACATGGA
 CCTCTTGGCATTGAGAGGAACTGGATCAAACCATCATGCGGAAGCGGGTGGACATCCA
 GGAGGCTCTGAAGAGGCCATGAAGCAAAGCGGAAGCTGCGACTCTATATCTCCAACAC
 TTTTAACCCTGCGAAGCCTGATGCTGAGGATCCGACGGCAGCATTGCCTCCTGGGAGCT
 ACGGGTGGAGGGGAAGCTCCTGGATGATCCAGCAAACAGAAGCGGAAGTTCTCTCTTT
 CTTCAAGAGTTTGGGCATCGAGCTGGACAAAGATCTTTATGGCCCTGACACCACCTCGTT
 GAGTGGCATCGGACACCCACGACCAGGAGACGGACGGCTTCCAGGTGAACGGCCTGNTGA
 CCTGAGTGTGCGCTGCAGCTGCTCCTCATGCTGGACTACCAGNCTCCCCAGTTCAAAC
 GGATCCCCGCTACCCCGCTGCTTGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003078 unedited
 CCGCACTAGTATCGAGTTTTTTTTTTTTTTTTTTTCAAATGAATGACTTTTAATCCAG
 CCCCACACCCCAAGTGGCAGAGGAGTGTGCTGGAGCCCGGGGAAAATGCTGGGGCCC
 GGGACACGGCTGAAAGTCCGTCGTGCTGCTTATTTTTGGGCTCCTAGGTGTTGCGCACA
 ACCAGCGACTGCTCCAGTCTGCTGCGCTGCTGGATCTTGCAGTAGAAGTAGCGACTG
 ACGGCCTCCTGGGACCAGGGCTGGTGGTAGAAGTCCAGCCCGCGCTCCTTTCAGGGTTG
 CCGGCTACATCTGTATCACCTTGGAGTCCCGGCTCTGGGAGCGGAGCAGGTCTTGGACA
 TAGCCTTTGGGCTCTCTGGAGAAGCTTATCATGAAGTCCCTCTGGATCTTGGAGCTGGTT
 ATGGACTCAATCGTCTCATGGATCTTACTGTCCAGAGCACTGATCTCCTGCTGGTTGGCC
 GTGGATAGGAGGAAGTGTCTCATCTGCCCTTTAATGGCTCCTCCACCTCCACGTCATG
 TCATAGCACGCCGCTTCTTCTGGTCTGAAGGTCCACGCTGCCAGGGAAGTCCAGCCCT
 TCGTGTCCACGATGCCNCCATACGGNCCCAGGGCCCCGGGCTGGGGCAGATCCAAACAG
 GGAGGGATAATATATGGCATTGGGAGGATAGGGAGGGGCCAGGAAATGCACGCAACGAT
 ATCATTCCCTGCTCTGAAAAGCAAGTGGGGGCCACCTCACCCGATGACATTGGTGGGA
 TGACACATGGGCTCAGGGGGCAATATCCAGGGCCTGGGAGGGCCTGGGGGAATCTCAGA
 AAACCTCAGCCCGCGGACAATCCAATATTCTGAAACCGGACAATTTGGGGAAAAAGAGAA
 CCCTCTTCTTGAGAGTCACTCGCCCTCGCGAACCTTTGTCCTATAAGCCCCAAACC
 TTTAAGGAATTTATACTACCCCTGCGGAGGCTATCGCCACCCTACACCAAACAT

Restriction Sites:

NotI-NotI

ACCN:

NM_003078

Insert Size:

2820 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_003078.3](#), [NP_003069.2](#)

RefSeq Size: 1728 bp

RefSeq ORF: 1413 bp

Locus ID: 6604

UniProt ID: [Q6STE5](#)

Cytogenetics: 7q36.1

Domains: SWIB

Protein Families: Druggable Genome, 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 has sequence similarity to the yeast Swp73 protein. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) has an alternate 5' exon, but encodes the same isoform (1), as compared to variant 1.