

Product datasheet for **SC300553**

SMARCD3 (NM_001003801) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCD3 (NM_001003801) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMARCD3
Synonyms:	BAF60C; CRACD3; Rsc6p
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001003801 edited
 AGAGAGAGAGTGTAGAGGAGCCGCTGAGCCACCCCGATGGCCGCGGACGAAGTTGCCGGA
 GGGGCGCGCAAAGCCACGAAAAGCAAATTTTTGAGTTTCTGGTCCATGGGGTGCAGCC
 GGGATGCCGTCTGGAGCCCGGATGCCCCACCAGGGGGCGCCATGGGCCCCCGGGCTCC
 CCGTACATGGGCAGCCCCGCGTGCACCCGGCCTGGCCCCGCGGGCATGGAGCCCGCC
 CGCAAGCGAGCAGCCCCCGCCGGCAGAGCCAGGCACAGAGCCAGGGCCAGCCGGTG
 CCCACCGCCCCCGCGGAGCCGCACTGCCAAGAGGAGGAAGATGGCTGACAAAATCCTC
 CCTCAAAGGATTCGGGAGCTGGTCCCGAGTCCCAGGCTTACATGGACCTCTTGCCATTT
 GAGAGGAAACTGGATCAAACCATCATGCGGAAGCGGGTGGACATCCAGGAGGCTCTGAAG
 AGGCCCATGAAGCAAAGCGGAAGCTGCGACTCTATATCTCCAACACTTTTAACCCTGCG
 AAGCCTGATGCTGAGGATTCCGACGGCAGCATTGCCTCCTGGGAGCTACGGGTGGAGGG
 AAGCTCCTGGATGATCCCAGCAAACAGAAGCGGAAGTTCTTCTTTCTTCAAGAGTTTG
 GTCATCGAGCTGGACAAAGATCTTTATGGCCCTGACAACCACCTCGTTGAGTGGCATCGG
 ACACCCACGACCCAGGAGACGGACGGCTTCCAGGTGAAACGGCCTGGGGACCTGAGTGTG
 CGCTGCACGCTGCTCCTCATGCTGGACTACCAGCTCCCCAGTTCAAACCTGGATCCCCGC
 CTAGCCCGGCTGCTGGGGCTGCACACACAGAGCCGCTCAGCCATTGTCCAGGCCCTGTGG
 CAGTATGTGAAGACCAACAGGCTGCAGGACTCCCATGACAAGGAATACATCAATGGGGAC
 AAGTATTTCCAGCAGATTTTTGATTGTCCCGGCTGAAGTTTTCTGAGATTCCCCAGCGC
 CTCACAGCCCTGCTATTGCCCCCTGACCAATTGTATCAACCATGTCATCAGCGTGGAC
 CCTTCAGACCAGAAGAAGACGGCGTGCTATGACATTGACGTGGAGGTGGAGGAGCCATTA
 AAGGGGCAGATGAGCAGCTTCTCCTATCCACGGCCAACCAGCAGGAGATCAGTGCTCTG
 GACAGTAAAGATCCATGAGACGATTGAGTCCATAAACCAGCTCAAGATCCAGAGGGACTTC
 ATGCTAAGCTTCTCCAGAGACCCAAAGGCTATGTCCAAGACCTGCTCCGCTCCAGAGC
 CGGGACCTCAAGGTGATGACAGATGTAGCCGGCAACCTGAAGAGGAGCGCCGGGCTGAG
 TTCTACCACCAGCCCTGGTCCCAGGAGCCGTCAGTCGCTACTTCTACTGCAAGATCCAG
 CAGCGCAGGACAGGAGCTGGAGCAGTGGTGTGCGCAACACCTAGGAGCCCAAAAAT
 AAGCAGCAGCAGGAACTTTCAGCCGTGTCCCGGGCCCAAGCATTTCAGCCGGGCTCCA
 GCATCACTCCTCTGCCACCTTGGGGTGTGGGGCTGGATTAAGTCAATTCATCTGAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_001003801

Insert Size: 1700 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_001003801.1.

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_001003801.1, NP_001003801.1</u>
RefSeq Size:	1700 bp
RefSeq ORF:	1452 bp
Locus ID:	6604
UniProt ID:	<u>Q6STE5</u>
Cytogenetics:	7q36.1
Protein Families:	Druggable Genome, 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 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]</p> <p>Transcript Variant: This variant (3), also known as hBAF60c2, has an alternate 5' sequence, as compared to variant 1. The encoded isoform 2 has a longer and distinct N-terminus, as compared to isoform 1.</p>