

Product datasheet for **SC316240**

SMARCD2 (NM_001098426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCD2 (NM_001098426) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMARCD2
Synonyms:	BAF60B; CRACD2; PRO2451; Rsc6p; SGD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC316240 representing NM_001098426.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCGGGCGGAGGCGGGCGGGTCCCGCTGCCCGCTAAGCCCTGGCGGCGGCCGTGGCTGCG
GCCCTGGGAGCGCCGCTCCCCCGGGACCCGGCATGCTGCCGGACCGCGCTCCGGGACCGGGT
CCGGCAGGAGCGTGGGGGCCCGGGGCGCCGCTTCCGCCCATGGGCCCGGGGCCCGCGCGC
CAGTACCAGCAGCTGGCATGTACCAGGAACCGGATGCCCATGGCTGGCTGCAGGTGGGACCCCT
GCTGGCTCCCATTTGGTGCAGCAGCTCCGCTTCGACCTGGCATGCCACCCACCATGATGGATCCATTC
CGAAAACGCTGCTTGTGCCAGGCGCAGCCTCCCATGCCTGCCAGCGCCGGGGTTAAAGAGGAGG
AAGATGGCAGATAAGTTCTACCTCAGCGAATCCGGGAGCTTGTCCAGAGTCTCAGGCGTACATGGAT
CTCTTGGCTTTGAGCGGAAGCTGGACCAGACCATTGCTCGAAGCGGATGGAGATCCAGGAGGCCATC
AAAAAGCCTCTGACACAAAAGCGAAAGCTTCGGATCTACATTTCCAATACGTTCCAGTCCAGCAAGGCG
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GAACTCCGAGTGAAGGAAAAGTCTGGATGATCCTAGCAACAGAAGAGGAAGTTTTCTTATTCTTT
AAGAGCCTCGTCAATTGAGCTGGACAAGGAGCTGTACGGGCTGACAATCACTGGTGGAGTGGCACCGG
ATGCCACCCAGGAGACAGATGGCTTCCAAGTAAAACGGCCTGGAGACCTCAACGTCAGTGCACC
TCCTGCTCATGCTGGATCATCAGCCTCCCAAGTACAATGGACCCCGATTGGCAAGGCTGCTGGGA
GTGCACACGCAGACGAGGCGCCATCATGCAGGCCCTGTGGCTTTACATCAAGCACAACCAGCTGCAG
GATGGGACGAGCGGGAGTACATCAACTGCAACCGTACTTCCGCCAGATCTTCAGTTGTGGCCGACTC
CGTTTCTCCGAGATCCCATGAAGCTGGCAGGGTGTGCAGCATCCAGACCCATTGTCATCAACCAT
GTCATTAGTGTGACCCTAACGACCAGAAGAAGACAGCCTGTTACGACATCGATGTGAGGTGGACGAC
CCTGAAAGGCCCAATGAGCAATTTTCTGGCCTTACCACCAATCAGCAGGAGATCGCCTCCCTTGAT
GTCAAGATCCATGAGACCATTGAGTCCATCAACCAGCTGAAGACCCAGAGAGATTCATGCTCAGTTTT
AGCACCGACCCAGGACTTCATCCAGGAATGGCTCCGTTCCAGCGCCGAGACCTCAAGATCATCACT
GATGTGATTGAAATCCTGAGGAGGAGAGACGAGCTGCTTTTACCACCAGCCCTGGGCCAGGAAGCA
GTAGGCAGGCACATCTTTGCAAGGTGCAGCAGCGAAGGCAGGAAGTGAACAGGTGCTGGGAAATCGC
CTGACCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001098426

Insert Size: 1596 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: 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:

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_001098426.1](#)

RefSeq Size: 2770 bp

RefSeq ORF: 1596 bp

Locus ID: 6603

UniProt ID: [Q92925](#)

Cytogenetics: 17q23.3

Protein Families: Transcription Factors

MW: 58.9 kDa

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]