

## Product datasheet for **SC317865**

### SMARCD1 (NM\_003076) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | SMARCD1 (NM_003076) Human Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | SMARCD1                                  |
| Synonyms:                 | BAF60A; CRACD1; CSS11; Rsc6p             |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**Fully Sequenced ORF:** >SC317865 representing NM\_003076.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGGCCCGGGCGGGTTTCCAGTCTGTGGCTCCAAGCGGGCGGCCGGAGCCTCAGGAGGGCGGGC
GGGCTGTACCGCTCCCCGATGCCCGAGCGGCCTATCCGAGACCAGGTATGTTGCCAGGCAGCCGAATG
ACACCTCAGGGACCTTCCATGGGACCCCTGGCTATGGGGGAACCCCTCAGTCCGACCTGGCCTGGCC
CAGTCAGGGATGGATCAGTCCCAGAGACCTGCCCTCAGCAGATCCAGCAGGTCCAGCAGCAGGGCG
GTCCAAAAATCGAAACCACAATGCAAAGAAAAAGAGATGGCTGACAAAATTCTACCTCAAAGGATTCGT
GAACTGGTACCAGAATCCAGGCCTATATGGATCTCTGGCTTTTGAAGGAACTGGACCAGACTATC
ATGAGGAAACGGCTAGATATCCAAGAGGCCTTGAACGTCCTCATCAAGCAAAAACGGAAGCTGCGAATT
TTCATTTCTAACACTTTCAATCCGGCTAAGTCAGATGCCGAGGATGGGGAAGGGACGGTGGCTTCCTGG
GAGCTTCGGGTAGAAGGACGGCTCCTGGAGGATCAGCCTTGCCAAATATGATGCCACTAAACAAAAG
AGGAAGTTCTCTCCTTTTTAAGTCCTTGGTGATTGAACTGGACAAAGACCTGTATGGCCAGACAAAC
CATCTGGTAGAATGGCACAGGACCGCCACTACCCAGGAGACCGATGGCTTTCAGGTGAAGCGGCCGGGA
GACGTGAATGTACGGTGTACTGTCTACTGATGTGGATTACCAGCCTCCCCAGTTTAAATTAGACCCC
CGCCTAGCTCGACTCCTGGGCATCCATACCCAGACTCGTCCAGTGATCATCCAAGCACTGTGGCAATAT
ATTAAGACACATAAGCTCCAGGACCCTCACGAGCGGGAGTTTGTTCATCTGTGACAAGTACCTGCAGCAG
ATCTTTGAGTCTCAACGTATGAAGTTTTAGAGATCCCTCAGCGGCTCCATGCCTTGCTTATGCCACCA
GAACCTATCATCATTAAATCATGTATCAGTGTGACCCGAATGATCAGAAAAAGACAGCTTGTATGAC
ATTGATGTTGAAGTGGATGACACCTTGAAGACCCAGATGAATTTCTTTCTGCTGTCCACTGCCAGCCAA
CAGGAGATTGCTACTCTAGACAACAAGATCCATGAGACAATAGAAACCATCAACCACTGAAGACTCAG
CGGGAGTTCATGCTGAGCTTTGCCAGAGACCCTCAGGTTTCATCAATGACTGGCTTCAGTCCCAGTGC
AGGGACCTCAAGACAATGACTGATGTGGTGGTAAACCCAGAGGAGGAGCGCCGAGCTGAGTTCTACTTC
CAGCCCTGGGCTCAGGAGGCTGTGTGCCGATACTTCTACTCCAAGGTGCAGCAGAGACGACAAGAATTA
GAGCAAGCCCTGGGAATCCGGAATACATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_003076

**Insert Size:** 1548 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).

|                               |  |
|-------------------------------|--|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_003076.4</a>  |
| <b>RefSeq Size:</b>           | 3431 bp  |
| <b>RefSeq ORF:</b>            | 1548 bp  |
| <b>Locus ID:</b>              | 6602   |
| <b>UniProt ID:</b>            | <a href="#">Q96GM5</a>   |
| <b>Cytogenetics:</b>          | 12q13.12   |
| <b>Domains:</b>               | SWIB   |
| <b>Protein Families:</b>      | Transcription Factors  |
| <b>MW:</b>                    | 58.2 kDa   |
| <b>Gene Summary:</b>          | <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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) is the longer transcript and encodes the full-length isoform (a).</p> |