

## Product datasheet for **RN215376**

### **Smarcd2 (NM\_031983) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Smarcd2 (NM_031983) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smarcd2
Synonyms:	BAF60b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN215376 representing NM\_031983  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGGCCGTGGCGGGCGGGTCCCGCTGCCCCCGCTGAGCCCCGGCGGGCGGCCGTTGCCGCGG  
 CCCTCGGTGCGCCGCTCCGCCTGCGGGACCCGGAATGCTGCCAACCCGGCGCTCAGGGGCCCGGGGCC  
 TTCTGGAGGCATGGGGTACCGGGGCCGCTGCCTCCGCCCATGGGCCCGGGGCCCGCGGCGCAG  
 TACCAGCGACCTGGCATGTCCCCAGGAAGTAGGATGCCCATGGCTGGCTTGCAGGTGGGACCTCCGGCTG  
 GTTCCCCATTTGGCACAGCTGCTCCACTTCGACCTGGCATGCCACCTACCATGATGGATCCATTCCGAAA  
 ACGCCTGCTTGTGCCTCAGGCCAGCCCCGATGCCTGCCAGCGCCGAGGGTTAAAGAGGAGGAAGATG  
 GCAGATAAGGTTCTACCTCAGCGAATCCGGGAGCTTGTCCAGAGTCTCAGGCATACATGGATCTTTTAG  
 CTTTCGAGAGGAAGCTGGACCAGACCATCGCTCGCAAGCGGATGGAGATCCAAGAGGCCATCAAGAAGCC  
 TCTGACGCAAAAGCGAAACTTCGATCTATATTTCCAATACATTCAGTCCCAGCAAGGCAGATGGTGAT  
 AATTTCAGGAACCTCAGGGACCCCTGGGGGAACCCAGCAGCAGACAAGGTGGCCTCCTGGGAGCTTCGAG  
 TAGAGGGAAAACCTCTGGATGATCCTAGCAAACAGAAGAGGAAGTTCTCCTCATTCTTTAAGAGCCTTGT  
 TATCGAGTTGGACAAGGAGCTGTATGGCCTGACAACCATCTGGTGGAGTGGCATCGGATGCCACCACCT  
 CAGGAAACAGATGGCTTTCAGGTGAAACGGCCAGGAGATCTCAATGTCAAGTGCACCCCTTCTGCTCATGC  
 TGGATCATCAGCCACCTCAGTATAAACTGGACCCCGCCTGGCGAGGTTGCTGGGAGTGCACACACAGAC  
 GAGAGCTGCCATCATGCAGGCGCTGTGGCTTTACATCAAACACAACCAGCTGCAGGATGGCATGAGCGG  
 GAGTACATCAACTGCAACCGCTACTTCCGCCAGATCTTCAGCTGTGGCCGGCTCCGTTTCTCCGAGATCC  
 CCATGAAGCTGGCTGGCTGCTGCAGCATCCAGACCCCATTTGTTATTAACCATGTCATTAGCGTGGACCC  
 TAATGACCAGAAGAAGACAGCCTGTTATGACATCGACGTAGAGGTTGATGACCCCTGAAGGCCCAGATG  
 AGTAACTTCTGCCTCTACCACCAACCAGCAGGAGATTGCCTCTCTTGATGTCAAGATCCATGAGACCA  
 TTGAGTCCATCAACCAGCTGAAGACCCAGAGGGACTTCATGCTCAGCTTCAAGCAGCCAGCCAGGACTT  
 CATCCAGGAATGGCTCCGCTCCCAACGCCGAGACCTCAAGATCATCACAGATGTGATTGGAACCCTGAG  
 GAGGAGAGACGAGCTGCTTCTACCACCAGCCCTGGGCTCAGGAAGCAGTTGGGAGGCACATCTTTGCCA  
 AGGTGCAGCAGCGAAGGCAGGAACCTGGAACAGGTGCTGGGAATTCGCCTGACC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_031983

**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).

**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\\_031983.2](#), [NP\\_114189.1](#)

**RefSeq Size:** 2593 bp

**RefSeq ORF:** 1596 bp

**Locus ID:** 83833

**UniProt ID:** [O54772](#)

**Cytogenetics:** 10q32.1

**Gene Summary:** component of the SWI/SNF chromatin remodeling complex [RGD, Feb 2006]