

## Product datasheet for **SC206429**

### **BRG1 (SMARCA4) (NM\_001128847) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** BRG1 (SMARCA4) (NM\_001128847) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** SMARCA4  
**Synonyms:** BAF190; BAF190A; BRG1; CSS4; hSNF2b; MRD16; RTPS2; SNF2; SNF2-beta; SNF2L4; SNF2LB; SWI2  
**ACCN:** NM\_001128847  
**Insert Size:** 487 bp  
**Insert Sequence:** >SC206429 3'UTR clone of NM\_001128847  
The sequence shown below is from the reference sequence of NM\_001128847. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG  
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC  
CGCTCAGGAAGTGGCAGCGAAGAAGACTTGAGCCCCGACATTCCAGTCTCGACCCCGAGCCCCTCGTTCC  
AGAGCTGAGATGGCATAGGCCTTAGCAGTAACGGGTAGCAGCAGATGTAGTTTCAGACTTGGAGTAAAA  
CTGTATAAACAAGAATCTTCCATATTTATACAGCAGAGAAGCTGTAGGACTGTTTGTGACTGGCCCT  
GTCTGGCATCAGTAGCATCTGTAACAGCATTAACTGTCTTAAAGAGAGAGAGAGAATTCCGAATTG  
GGGAACACACGATACCTGTTTTTCTTTTCCGTTGCTGGCAGTACTGTTGCGCCGAGTTTGGAGTCACT  
GTAGTTAAGTGTGGATGCATGTGCGTCACCGTCCACTCCTCTACTGTATTTTATTGGACAGGTCAGAC  
TCGCCGGGGGCCGCGAGGGTATGTCAGTGTCACTGGATGTCAAACAGTAATAAATTAACCAACAAC  
AAAA  
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA  
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).  
**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



RefSeq: [NM\\_001128847.4](#)

**Summary:** The protein encoded by this gene is a member of the SWI/SNF family of proteins and is similar to the brahma protein of *Drosophila*. Members of this family have helicase and ATPase activities and 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, which is required for transcriptional activation of genes normally repressed by chromatin. In addition, this protein can bind BRCA1, as well as regulate the expression of the tumorigenic protein CD44. Mutations in this gene cause rhabdoid tumor predisposition syndrome type 2. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]

Locus ID: 6597

MW: 17.5