

## Product datasheet for **SC201603**

### BAF53b (ACTL6B) (NM\_016188) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** BAF53b (ACTL6B) (NM\_016188) Human 3' UTR Clone  
**Symbol:** BAF53b  
**Synonyms:** ACTL6; arpNalpha; BAF53B; DEE76; EIEE76; IDDSSAD  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_016188  
**Insert Size:** 179 bp  
**Insert Sequence:** >SC201603 3'UTR clone of NM\_016188  
 The sequence shown below is from the reference sequence of NM\_016188. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
AAGCAGTGCCTGGAGCGAAAGTGCCCCTGATGGCACTCCTCCCCACACCTGCTCCCAAGCTCAGATG
GAAGTCCCTTAACCCCATGCCACATTGCCCCCTCCTCTTTCCTCTTGTCCTCATTAATGGTGATG
TTTCTGGGTTGAAAGAAGTAAAAATGTTTTAAGAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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\\_016188.5](#)


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**Summary:**

The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene encodes a subunit of the BAF (BRG1/brm-associated factor) complex in mammals, which is functionally related to SWI/SNF complex in *S. cerevisiae* and *Drosophila*; the latter is thought to facilitate transcriptional activation of specific genes by antagonizing chromatin-mediated transcriptional repression. This subunit may be involved in the regulation of genes by structural modulation of their chromatin, specifically in the brain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

**Locus ID:**

51412

**MW:**

6.7