

## Product datasheet for **SC205996**

### **BAF53A (ACTL6A) (NM\_178042) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** BAF53A (ACTL6A) (NM\_178042) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ACTL6A  
**Synonyms:** ACTL6; Arp4; ARPN-BETA; BAF53A; INO80K  
**ACCN:** NM\_178042  
**Insert Size:** 445 bp  
**Insert Sequence:** >SC205996 3' UTR clone of NM\_178042  
The sequence shown below is from the reference sequence of NM\_178042. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCA**GCGATCGC**

AAGAAGGAGGGAAGCAGTGTGTAGAAAGAAAATGCCCT**TGA**GAAAGAGTTCCAAGCTTCTACCTTCCTT  
TTGTCACCTTACGTTTCATAGCTTTAGTATACTCAGGAAAAGAATGACCATCTTTGTAGAATGTTTATA  
CATTTTTGCATATTTCAATTTCCACTTAAATTTTTTAAAGCTTTAACTGGCTCTATAAATTAAGTTTGTG  
CTTTCCTTGAAATGCACTTATTCTTATTACAAGCATTTTATAATTTGTATAAATGTCTATTTTCTTAA  
ATATTTTGCTTTCAGTAAAATGCTTTCCAAGCTGTTTGTAGTATTAATTACAGTGGATTGGTAGAACT  
GCTTTTATTGACTAGTAAAAGTTACTGCCTATGCTTTTTACCTTAGGCTTACAGAATTAATAAAAAATT  
AGCCATTCCAGAAATAAAAAAAAAA

**ACGCGT**AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCG

**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\\_178042.2](#)



[View online »](#)

**Summary:**

This gene encodes a family member 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 53 kDa subunit protein 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. Together with beta-actin, it is required for maximal ATPase activity of BRG1, and for the association of the BAF complex with chromatin/matrix. Three transcript variants that encode two different protein isoforms have been described. [provided by RefSeq, Jul 2008]

**Locus ID:**

86