

Product datasheet for **SC205999**

BAF53A (ACTL6A) (NM_004301) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: BAF53A (ACTL6A) (NM_004301) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: ACTL6A
Synonyms: ACTL6; Arp4; ARPN-BETA; BAF53A; INO80K
ACCN: NM_004301
Insert Size: 445 bp
Insert Sequence: >SC205999 3' UTR clone of NM_004301
The sequence shown below is from the reference sequence of NM_004301. 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
CATTTTGCATATTTCAATTTCCACTTAAATTTTTTAAAGCTTTAACTGGCTCTATAAATTAAGTTTGTG
CTTTCCTTGAATGCACTTATTCTTATTACAAGCATTTTATAATTTGTATAAATGTCTATTTTCTTAA
ATATTTTGCTTTCAGTAAAATGCTTTCCAAGCTGTTTGTAGTATTAATTACAGTGGATTGGTAGAACT
GCTTTTATTGACTAGTAAAAGTTACTGCCTATGCTTTTTACCTTAGGCTTACAGAATTAATAAAAAATT
AGCCATTCCAGAAATAAAAAAAAAA

ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCG

Restriction Sites: Sgfl-Mlul
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_004301.3](#)



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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