

## Product datasheet for **SC111819**

### **BANP (NM\_017869) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BANP (NM_017869) Human Untagged Clone
Tag:	Tag Free
Symbol:	BANP
Synonyms:	BEND1; SMAR1; SMARBP1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_017869 edited  
 GAATTCGGCACGAGGCCGAGCCGAGGCCCTGCACTACGCGCTGGCCAACGTGCAGCAG  
 GTGCAGATCCACCAGATCGGAGAAGACGGACAGGTGCAAGTAATCCCACAGGGACACCTC  
 CACATCGCCAAGGTGCCGAGGGGAGCAAGTCCAGATCACGCAGGACAGCGAGGGCAAC  
 CTCCAGATCCATCACGTGGGGCAGGATGGTCAGTGCTGAGTGCCCCAGGCCGAGTGCCAG  
 GCGCCTGCACCCTCTCTCCGTAGAGCCCGTGTCTGGTACTACGTGAAGGAGGTCCTCAA  
 CAAGCACGAGCTGCAAGCGCTTCTACTCCCTGCGCCACATCGCCTCAGACGTGGGCTGGG  
 GCCGCGCCTGGCTGCGCTGTGCCCTCAACGAACACTCCCTGGAGCGCTACCTGCACATGC  
 TCCTGGCCGACCGCTGCAGGCTCAGTACTTTTTATGAAGACTGGTCTTTTGTGATGGATG  
 AAGAGAGGTCCAGTATGCTTCTACCATGGCAGCAGGTCCGAACCTCATACTCTTTGCGA  
 TTAACATTGACAACAAGGATTTGAACGGGCAGAGTAAGTTTGTCCCACCGTTTCAGACC  
 TCTTAAAGGAGTCAACGCAGAATGTGACCTTGTGAAGGAGTCCACGCAAGGAGTGAGCA  
 GCGTGTTCAAGGAGATCACAGCCTCTGCCATCTCCATCTCAAACTGAACAGG  
 AGACCGACCCCTTGCCCGTGTGTCCAGGAATGTCAGTGCTGATGCCAAATGCAAAAAGG  
 AGCGGAAGAAGAAAAAGCXXXXXXXXXXXXXXXXXXXXXXXXXCCAATGAAAGCGACCCA  
 TACTGAAGTCCACTGGCTCTGGTTGAGACCCAGAAGAGTCATGCATCAGAATAAAGGTGG  
 ACAGGAAATACCCCTGGCCTTTGTAGGGACTGAGCCTGCACCGATGACTTCAATTGACGCC  
 TGTATGGAGGACCCCTGACCATCCCCAGAAAGTAGACTCCCATCTCTTNTGCAGCAAGAT  
 AACATGCTACTAGGCCTCAATTCATTGCTAAACATTTTTTAACAAGTATCTCNCATTTAA  
 CAAAAAAGATCAGTCATATGGCAGCAAAATACAATGTATATGACCAAAAACATGAAAGA  
 CTGTGAAAATGAATCTGGAGGTGACCAAGCATTGAATTAACAATCCAGGCTGGGTGCG  
 GTGGCTCACACTGGGAGGCTGAGGTAGGCAGATCACCTGAGGTCAGGAGTTCAGACTAG  
 CCTGGCCAACATGGTGAACCCCTGTCTCTACTAAAAATACAAAAATTGGGCCGGGCACGG  
 TGGCTCACGCCTGTAATCCAGCACATTGGGAGGCCAGGATCATGCCNCTNCCCTTAGC  
 CTGGGTGACAGAGTGAGACTCTGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAATTGGTCAA  
 ATGTGGTGGCACACACCTGTAATCCAAGCTACTCGGGAAGCTGAGGCAGAATTGCTTCAA  
 ACTGGGAGGCAGAGGTTGCAGTGAGCCAAGATTGCACCATAGCACTCCAGCCTGGGCGAC  
 AGAGCGAGACTCTATCGCAAAATTAATAAAAAAAAAAAAAAAAAAACTCGAC

**Restriction Sites:** NotI-NotI

**ACCN:** NM\_017869

**Insert Size:** 4000 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\\_017869.2](#), [NP\\_060339.2](#)

RefSeq Size: 2136 bp

RefSeq ORF: 1410 bp

Locus ID: 54971

UniProt ID: [Q8N9N5](#)

Cytogenetics: 16q24.2

**Gene Summary:** This gene encodes a protein that binds to matrix attachment regions. The protein forms a complex with p53 and negatively regulates p53 transcription, and functions as a tumor suppressor and cell cycle regulator. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]  
Transcript Variant: This variant (1) represents use of an alternate promoter and 5' UTR, uses two alternate in-frame splices sites, and lacks two alternate in-frame exons in the coding region, compared to variant 7. The resulting isoform (a) differs at four internal regions, compared to isoform g.