

## Product datasheet for **SC320371**

### **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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_017869.3  
AACACCACGAAATCCCGAGCCACACGGTGACCAAAAGCCAGCCCACTGTGAGTTGA  
ACTCTTTTCGTGTTGACCGGCCACTCTCCGTGCTCTGGATGATGTCGGAACACGACCTGGC  
CGATGTGGTTTCAGATTGCAGTGGAAAGACCTGAGCCCTGACCACCCAGTTGTTTTGGAGAA  
TCATGTAGTGACAGATGAAGACGAACCTGCTTTGAAACGCCAGCGACTAGAAATCAATTG  
CCAGGATCCATCTATAAAGTCATTCTGTATTCCATCAACCAGACAATCTGCTTGGCGTT  
GGATAGCATTGAAGCCAAATTGCAAGCCCTGGAGGCTACTTGTAAATCCTTAGAAGAAAA  
GCTGGATCTGGTCACGAACAAGCAGCACAGCCCATCCAGGTCCCATGGTGGCCGGCTC  
CCCTCTCGGGCAACCCAGAGCTGCAACAAGTGCATGCGCTGTGCCTGGGCGTCGGCA  
GAACACCATTTGGTGAAGGTGCGGGCCAAAGAAGACAGCCACCACGAGGACGGGGAGAG  
CGGCTCGGAGGCCAGCGACTCTGTGTCCAGCTGTGGCAGGCGGGCAGTCAGAGCATCGG  
GAGCAACGTACGCTCATCACCTGAACTCGGAAGAGGACTACCCCAATGGCACCTGGCT  
GGGCGACGAGAACAACCCGAGATGCGGGTACGCTGCGCCATCATCCCCTCCGACATGCT  
GCACATCAGCACCAACTGCCGACGGCTGAGAAGATGGCGCTAACGCTGCTGGACTACCT  
CTTCCACCGCAGGTGCAGGCTGTGTCCAACCTCTCGGGCAGGGCAAGCACGGGAAGAA  
GCAGCTGGACCCGCTCACCATCTACGGCATCCGGTGTACCTTTTCTATAAAATTTGGCAT  
CACAGAATCCGACTGGTACCGAATCAAGCAGAGCATCGACTCCAAGTGCCGCACGGCGTG  
GCGGGCAAGCAGCGGGCCAGAGCCTGGCGGTCAAGAGCTTCTCGCGGAGAACGCCAA  
CTCGTCTCTACTGCCCTTCAGAGCCGATGATGAGCACCCACCTCCTGCCAGCGAGCT  
CCCGCAGCCACAGCCGACGGCCAGGCCCTGCACTACGCGCTGGCCAACGCACAGCAGGT  
GCAGATCCACCAGATCGGAGAAGACGGACAGGTGCAAGTAATCCACAGGGACACCTCCA  
CATCGCCAGGTGCCGACGGGGAGCAAGTCCAGATCACGCAGGACAGCGAGGGCAACCT  
CCAGATCCATCACGTGGGGCAGGACGGTCAGGTGCTGCAGGGTGCACAGCTGATCGCCGT  
GGCTCTCGGACCCCGGGCGGGCGGGTGGATGGGTGCGCACTCCAGGGCAGCGACAT  
CCAGGTTCACTAGTGCAGCTGGCGCCAGTGAGTGACCACACGGCCGGGGCACAGACGGC  
CGAAGCCCTGCAGCCACGCTACAGCCGAGATGCAGCTCGAGCACGGGGCCATCCAGAT  
TCAGTGAGCGGTGCCATGGCACAGGAGCCCCTCGCGGCTCCGCTACGGCCCGGCC  
CCACGCGCCCTGCTCTCACGGCCTCGGCACAGGACGGCTGCACGTGTTCTGCTGAAGT  
GCGTCTGAAGGCCGCTGCCTCCGCGGGAAACAGCATCCTATGAACTGAAAGAGCAGCCGC  
CGCCGCCCCAGCCGAGACCCCTTTCGTTTGAGTCTGCTGTTGGTGTGGAGCAGGAG  
GGGAGGCACGGTCCGGAGAGCGTCGCATATGCGCGGAAATCAAGAATATGATATTTTT  
CTGTTTAAACAGCTTTTTTAATTTGCTATGGTGTATATAACAAAAAAGAAAATTTGAAA  
AAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_017869

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_017869.3](#), [NP\\_060339.2](#)

**RefSeq Size:** 2230 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.