

Product datasheet for **SC124804**

BANP (NM_079837) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BANP (NM_079837) Human Untagged Clone
Tag:	Tag Free
Symbol:	BANP
Synonyms:	BEND1; SMAR1; SMARBP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_079837 edited
GAATTCGGCACCAGGCGAGGACGGACGCCATTATCGCATCTCCCCGACAAACACCACGAG
AATTCCGCAGCCACACGGTGACCAAAAGCCAGCCCCACTGTGAGTTGAACTCTTTTCGTG
TTGACCGGCACTCTCTGTGCTCTGGATGATGTCGGAACACGACCTGGCCGATGTGGTT
CAGATTGCAGTGAAGACCTGAGCCCTGACCACCCAGTTGTTTTGGAGAATCATGTAGTG
ACAGATGAAGACGAACCTGCTTTGAAACGCCAGCGACTAGAAATCAATTGCCAGGATCCA
TCTATAAAGTCATTCTGTATTCCATCAACCAGACAATCTGCTTGCGGTTGGATAGCATT
GAAGCCAAATTGCAAGCCCTGGAGGCTACTTGTAAATCCTTAGAAGAAAAGCTGGATCTG
GTCACGAACAAGCAGCACAGCCCCATCCAGTTCCCATGGTGGCCGGCTCCCCTCTCGGG
GCAACCCAGACGTGCAACAAAGTGCGATGCGCTGTGCCTGGGCGTCGGCAGAACACCATT
GTGGTGAAGGTGCCGGGCCAAGAAGACAGCCACCACGAGGACGGGGAGAGCGGCTCGGAG
GCCAGCGACTCTGTGTCCAGCTGTGGCAGGCGGGCAGTCAGAGCATCGGGAGCAACGTC
ACGCTCATCACCTGAACTCGGAAGAGGACTACCCCAATGGCACCTGGCTGGGCGACGAG
AACAAACCCGAGATGCGGGTACGCTGCGCCATCATCCCCTCCGACATGCTGCACATCAGC
ACCAACTGCCGCACGGCCGAGAAGATGGCGCTAACGCTGCTGGACTACCTCTTCCACCGC
GAGGTGCAGGCTGTGTCCAACTCTCGGGCAGGGCAAGCACGGGAAGAAGCAGCTGGAC
CCGCTCACCATCTACGGATCCGGTGTACCTTTTCTATAAAATTTGGCATCACAGAATCC
GACTGGTACCGAATCAAGCAGAGCATCGACTCCAAGTGCCGCACGGCGTGGCGGGCAAG
CAGCGGGGCCAGAGCCTGGCGGTCAAGAGCTTCTCGCGGAGAACGCCAACTCGTCTCC
TACTGCCCTTCAGAGCCGATGATGAGCACCCACCTCCTGCCAGCGAGCTCCCGCAGCCA
CAGCCGCAGCCGAGGCCCTGCACTACGCGCTGGCCAACGCACAGCAGGTGCAGATCCAC
CAGATCGGAGAAGACGGACAGGTGCAAGTAATCCACAGGGACACCTCCACATCGCCCA
GTGCCCGCAGGGGAGCAAGTCCAGATCACGCAGGACAGCGAGGGCAACCTCCAGATCCAT
CACGTGGGGCAGGACGGTCAGCTTCTAGAGGCCACCCGCATCCCCTGCCTCCTGGCCCA
TCCGTCTTCAAAGCCAGCAGTGGCCAGGTGCTGCAGGGTGCACAGCTGATCGCCGTGGCC
TCTCGGACCCCGCGGCAGCGGGCGTGGATGGGTGCGCACTCCAGGGCAGCGACATCCAG
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TGAGCGGTGCCATGGCACACAGGAGCCCTCGCCGGCTCCGCCTACGGCCCGCCCCAC
GCGCCCTGCTCTACGGCCTCGGCACAGGCAGCGGCTGCACGTGTTCTGCTGAAGTGCCT
CTGAAGGCGCTGCTCCGCGGGGAACAGCATCCTATCAACTGAAAGAGCAGCCGCGCC
GCCCCAGCCGGAGACCCCTTTCGTTTGAGTCCTGCTGTTGGTGTGCGAGCACGAGGGGA
GGCACGGTGGCGAGAGCGTCGCATATGCGCGTAAATCAAGAACTATGATATTTTCTGT
TTAAACAGCTTTTTTAAATTTGCTATGGTGTATAACAAAAAAGAAAATTTGAAAAAA
AAATCCCAGGGGAGTAGCAGGAGCCCTTTGCTGTGTGCTCTGTCCAGTGTGATGAGACGG
GAGCCCTTTGCTGTGTGCTCTGTCCAGTGTGATGAGACGGGAGCCCTTTGCTGTGTGCTC
TGTCAGTGTGATGAGACGGGAGCCCTTTGCTGTGTGCTCTGTCCAGTGTGATGAGACGG
GAGCCCTTTGCTGTGTGCTCTGTCCAGTGTGATGAGGACAGGTGTTTCAAAGCCAGCTCT
CGGTTCCGATGGGGTATTGCTGACCTACTTTTCTAGGGGAAATGCTCTTAAACACTGTAA
TTATGCATTTCTAATGAAATAAAATGATTTATGACCAAAAAAAAAAAAAAAAAAAAAAA
CTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_079837 unedited
 CACAATTTGTAATACGACTCACTATAGGGCGGCCGCGAAATTCGCACCAGGCGAGGACGG
 ACGCCATTATCGCATCTCCCGACAAACACCACGAGAATTCGCGAGCCACACGGTGACC
 AAAAGCCAGCCCCACTGTGAGTTGAACTCTTTCGTGTTGACCGGCCACTCTCCTGTGCTC
 TGGATGATGTCGGAACACGACCTGGCCGATGTGGTTGAGATTGCAGTGGAAGACCTGAGC
 CCTGACCACCCAGTTGTTTTGGAGAATCATGTAGTGACAGATGAAGACGAACCTGCTTTG
 AAACGCCAGCGACTAGAAATCAATTGCCAGGATCCATCTATAAAGTCATTCTGTATTCC
 ATCAACCAGACAATCTGCTTGGCGTTGGATAGCATTGAAGCCAAATTGCAAGCCCTGGAG
 GCTACTTGTAATCCTTAGAAGAAAAGCTGGATCTGGTCACGAACAAGCAGCACAGCCCC
 ATCCAGGTTCCCATGGTGGCCGGCTCCCCTCTCGGGGCAACCCAGACGTGCAACAAAGTG
 CGATGCGCTGTGCTGGGCGTCGGCAGAACACCATTTGGTGAAGGTGCCGGGCCAAGAA
 GACAGCCACCACGAGGACGGGGAGAGCGGCTCGGAGGCCAGCGACTCTGTGTCCAGCTGT
 GGGCAGGCGGGCAGTCAGAGCATCGGGAGCAACGTACGCTCATCACCTGAACTCGGAA
 GAAGACTACCCCAATGGACCTGGCTGGGCGACGAGAACAACCCCGAGATGCGGGTACGC
 TGGCCCATATTNCTNCGACATGCTGCACATCAGCACCAACTGNCGCACGGNCGAGAGA
 TGGCGCNTACGCTGCTGGACTACCTCTCCACCGGAGTGCAGGCTGTGTCCACCTCTCG
 GGCAGGGCAGCCCGAAGAGCACNTGACCCGCTACACTACGNATCGTGTACTTTCTATA
 ATTGCATACAGATCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_079837 unedited
 GATCGGTTTTTTTTCTTTTTTTTTTTTTTTGGTCATAAATACATTTTATTTTATTAGAAAT
 GCATAATTACAGTGTAAAGAGCATTTCCCTAGAAAATAGGTGACGAATACCCCATCGG
 AACCGAGAGCTGGCTTTGCAAACACCTGCCTCATGACACTGGACAGAGCACACAGCAAAG
 GGCTCCCGTTTTATGACTGGACAGAGCACACAGCAAAGGGCTCCCGTCTCATGACT
 GGACAGAGCACACAGCAAAGGGCTCCCGTCTCATGACTGGACAGAGCACACAGCAAAG
 GGCTCCCGTCTCATGACTGGACAGAGCACACAGCAAAGGGCTCCTGCTACTCCCTGG
 GATTTTTTTTTTCAAATTTCTTTTTTTTATAAAACCATAGCAAATTAATAAAGCTG
 TTTAAACAGAAAAATATCATAGTTCTTGATTTACGCGCATATGCGACGCTCTCCGCACC
 GTGCCTCCCTCGTCTCCGACACCAACAGCAGGACTCAAACGAAAGGGTCTCCGGCTG
 GGGGCGGGCGGCTGCTTTTCAGTTGATAGGATGCTGTTCCCGCGGAGGCAGCGGCT
 TTCAGACGCACTTCAGCAGAACACGTGCAGCCGCTGCCTGTGCCGAGCCCTGAGAGCAN
 GGCAGCTGGGGCCGGGCGTAAGCGGAGCCGGCGAGGGGCTCCTGGTGCCATGGCCCCG
 CTCACTGAATCTGGATGGCCCCGTGCTCGAGCTGCATCTCCGGCTGTANCGTGGGCTGCA
 AGGCTTNGCCGTCTGTGCCCGGCCGTGGTCACTCCTGGCGCCAGCTGCACGTACTG
 AACCTGGNAGTCC

Restriction Sites:

NotI-NotI

ACCN:

NM_079837

Insert Size:

2500 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_079837.1](#), [NP_524576.1](#)

RefSeq Size: 2127 bp

RefSeq ORF: 1401 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 (2) represents use of an alternate promoter and 5' UTR, uses two alternate in-frame splices sites, and lacks one alternate in-frame exon in the coding region, compared to variant 7. The resulting isoform (b) differs at three internal regions, compared to isoform g.