

Product datasheet for **RG230180**

BANP (NM_001173540) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BANP (NM_001173540) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BANP
Synonyms:	BEND1; SMAR1; SMARBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230180 representing NM_001173540
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTCGGAACACGACCTGGCCGATGTGGTTACAGATTGCAGTGAAGACCTGAGCCCTGACCACCCAG
 GTACAGAGCTGTGGGACATTGTTTTGGAGAATCATGTAGTGACAGATGAAGACGAACCTGCTTTGAAACG
 CCAGCGACTAGAAATCAATTGCCAGGATCCATCTATAAAGTCATTCTGTATTCCATCAACCAGACAATC
 TGCTTGCGGTTGGATAGCATTGAAGCCAAATTGCAAGCCCTGGAGGCTACTTGTAAATCCTTAGAAGAAA
 AGCTGGATCTGGTCACGAACAAGCAGCACAGCCCATCCAGGTCCTCCATGGTGGCCGGCTCCCCTCTCGG
 GGCAACCCAGACGTGCAACAAAGTGCATGCGCTGTGCCCTGGGCGTCGGCAGAACACCATTGTGGTGAAG
 GTGCCGGGCCAAGAAGACAGCCACCACGAGGACGGGGAGAGCGGCTCGGAGGCCAGCGACTCTGTGTCCA
 GCTGTGGGCGAGGGCAGTCAGAGCATCGGGAGCAACGTCACGCTCATCACCTGAACTCGGAAGAGGA
 CTACCCCAATGGCACCTGGCTGGGCGACGAGAACAACCCGAGATGCGGGTACGCTGCGCCATCATCCCC
 TCCGACATGCTGCACATCAGACCAACTGCCGCAGCGCCGAGAAGATGGCGCTCACGCTGCTGGACTACC
 TCTTCCACCGCAGGTGCAGGCTGTGTCCAACCTCTCGGGCAGGGCAAGCACGGGAAGAAGCAGCTGGA
 CCCGCTACCATCTACGGCATCCGGTGTACCTTTTCTATAAATTTGGCATCACAGAATCCGACTGGTAC
 CGAATCAAGCAGAGCATCGACTCCAAGTGCCGCAGGCGTGGCGGCGCAAGCAGCGGGGCCAGAGCCTGG
 CGGTCAAGAGCTTCTCGCGGAGAACGCCAACTCGTCTCTACTGCCCTTACAGACCGATGATGAGCAC
 CCCACCTCTGCCAGCGAGCTCCCGCAGCCACAGCCGACGCCGAGCCCTGCACTACGCGCTGGCCAAC
 GCACAGCAGGTGCAGATCCACCAGATCGGAGAAGACGGACAGGTGCAAGTAATCCACAGGGACACCTCC
 ACATCGCCAGGTGCCCGCAGGGGAGCAAGTCCAGATCACGCAGGACAGCGAGGGCAACCTCCAGATCCA
 TCACGTGGGGCAGGACGGTCACTTCTAGAGGCCACCCGATCCCTGCTCCTGGCCCCATCCGTCTTC
 AAAGCCAGCAGTGGCCAGGTGCTGCAGGTGCACAGCTGATCGCCGTGGCCTCCTCGACCCCGGCGCG
 CGGGCGTGGATGGGTCCCACTCCAGGGCAGCGACATCCAGGTTACGTGACGTGCGGCCAGTGAG
 TGACCACAGCGCCGGGCCACAGACGGCCGAAGCCCTGCAGCCACGCTACAGCCGGAGATGCAGCTCGAG
 CACGGGGCCATCCAGATTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230180 representing NM_001173540
 Red=Cloning site Green=Tags(s)

MMSEHDLADVQIAVEDLSPDHPGTELWDIVLENHVVTDEDEPALKRQRLEINCQDPSIKSFLYSINQTI
 CLRRLDSIEAKLQALEATCKSLSEKLDLVTNKQHSPIQVPMVAGSPLGATQTCNKVRCVPGRRQNTIVVK
 VPGQEDSHHEDGESGSEASDSVSSCGQAGSQSIGSNVTLITLNSEEDYPNGTWLGDENNPEMRVRCIIP
 SDMLHISTNCRATAEKMALTLDDYLFHREVQAVSNLSGQKHKKQLDPLTIYGIRCHLFYKFGITESDWY
 RIKQSIDSKCRATAWRKQRGQSLAVKFSRRTPNSSSYCPSEPMSTPPPASELPQPQPQALHYALAN
 AQVQVIHQIGEDGQVQVQPQGLHIAQVPQGEVQVITQDSEGNLQIHHVGDGQLLEATRIPCLLAPSVF
 KASSGQVLQGAQLIAVASSDPAAGVDGSPSQSDIQVQVYVQLAPVSDHTAGAQTAEALQPTLQPEMQLE
 HGAIQIQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001173540

ORF Size: 1491 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001173540.2](#)

RefSeq Size: 2321 bp

RefSeq ORF: 1494 bp

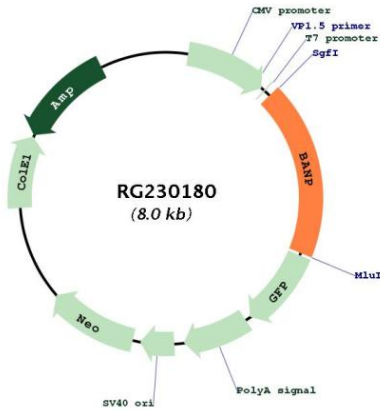
Locus ID: 54971

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]

Product images:


Circular map for RG230180