

Product datasheet for **RG230218**

BANP (NM_001173543) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BANP (NM_001173543) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG230218 representing NM_001173543
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTCGGAACACGACCTGGCCGATGTGGTTACAGATTGCAGTGAAGACCTGAGCCCTGACCACCCAG
 TTGTTTTGGAGAATCATGTAGTGACAGATGAAGACGAACCTGCTTTGAAACGCCAGCGACTAGAAATCAA
 TTGCCAGGATCCATCTATAAAGACAATCTGCTTGCAGTTGGATAGCATTGAAGCCAAATTGCAAGCCCTG
 GAGGCTACTTGTAAATCCTTAGAAGAAAAGCTGGATCTGGTCACGAACAAGCAGCACAGCCCATCCAGG
 TCCCCATGGTGGCCGGCTCCCCTCTCGGGGCAACCCAGACGTGCAACAAAGTGCGATGCGTCTCCCCCA
 GACTACAGTAATACTCAACAATGATCGGCAGAACGCCATTGTAGCCAAGATGGAAGACCCCTTGAGCAAC
 AGGGCACCGGATCCCTGGAAAATGTCATTAGCAACGCTGTGCCTGGCGTCGGCAGAACACCATTGTGG
 TGAAGGTGCCGGCCAAGAAGACAGCCACCACGAGGACGGGAGAGCGGCTCGGAGGCCAGCGACTCTGT
 GTCAGCTGTGGCAGGCGGGCAGTCAGAGCATCGGGAGCAACGTCACGCTCATCACCTGAACTCGGAA
 GAGGACTACCCCAATGGCACCTGGCTGGGCGACGAGAACAACCCCGAGATGCGGGTACGCTGCGCCATCA
 TCCCCTCCGACATGCTGCACATCAGCACCACCTGCCGCACGGCCGAGAAGATGGCGCTCACGCTGCTGGA
 CTACCTCTTCCACCGGAGGTGCAGGCTGTGTCCAACCTCTCGGGGACGGCAAGCACGGGAAGAAGCAG
 CTGGACCCGCTCACCATCTACGGCATCCGGTGTACCTTTTCTATAAAATTTGGCATCACAGAATCCGACT
 GGTACCGAATCAAGCAGAGCATCGACTCCAAGTGCCGCACGGCGTGGCGGCGCAAGCAGCGGGGCCAGAG
 CCTGGCGGTCAAGAGCTTCTCGCGGAGAACGCCAACTCGTCTCCTACTGCCCTCAGAGCCGATGATG
 AGCACCCACCTCCTGCCAGCAGCTCCCGCAGCCACAGCCGACGCCGAGCCGAGCCCTGCACTACGCGCTG
 CCAACGCACAGCAGGTGCAGATCCACCAGATCGGAGAAGACGGACAGGTGCAAGTAGGACACCTCCACAT
 CGCCCAGGTGCCGAGGGGAGCAAGTCCAGATCACGCAGGACAGCGAGGGCAACCTCCAGATCCATCAC
 GTGGGGCAGGACGGTCACTTCTAGAGGCCACCCGCATCCCTGCCTCCTGGCCCATCCGTCTTCAAAG
 CCAGCAGTGGCCAGGTGCTGCAGGTCACAGCTGATCGCCGTGGCTCCTCGGACCCCGCGGGCGGG
 CGTGGATGGTTCGCCACTCCAGGGCAGCGACATCCAGGTTAGTACGTGCAGCTGGCGCCAGTGAGTGAC
 CACACGGCCGGGCACAGACGGCCGAAGCCCTGCAGCCACGCTACAGCCGGAGATGCAGCTCGAGCAGC
 GGGCCATCCAGATTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230218 representing NM_001173543
 Red=Cloning site Green=Tags(s)

MMSEHDLADVQIAVEDLSPDHPVVLENHVVTDEDEPALKRQRLEINCQDPSIKTICLRLDSIEAKLQAL
 EATCKSL EEKLDLVTNKQHSP IQVPMVAGSPLGATQTCNKVRCVVPQTTVILNDRQNAIVAKMEDPLSN
 RAPDSLENVISNAVPGRRQNTIVVKVPGQEDSHHEDGESGSEASDSVSSCGQAGSQSIGSNVTLITLNSE
 EDYPNGTWLGDENPEMRVRC AIIPSDMLHISTNCR TAEKMAL TLLDYL FHREVQAVSNLSGQGKHGKKQ
 LDPLTIYGIRCHLFYKFGITSDWYRIKQSIDSKRTAWRRKQRGQSLAVKSF SR RTPNSSSYCPSEPM
 STPPPASELPQPQPQALHYALANAQQVQIHQIGEDGQVQVGH LHIAQVPQGEVQVITQDSEGNLQIHH
 VGQDQQLLEATRIPCLLAPSVFKASSGQVLQGAQLI AVASSDPAAGVDGSP LQGS DIQVQVYQLAPVSD
 HTAGAQTAEALQPTLQPEMQLEHGAIQIQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001173543

ORF Size: 1557 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_001173543.1](#), [NP_001167014.1](#)

RefSeq Size: 2456 bp

RefSeq ORF: 1560 bp

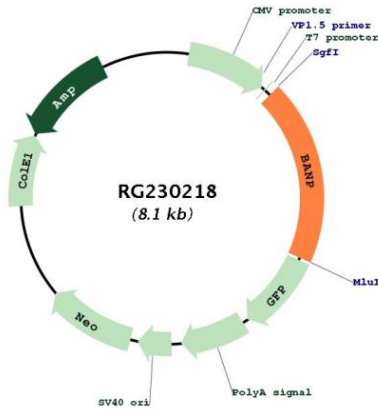
Locus ID: 54971

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 RG230218