

Product datasheet for **MC205088**

Banp (NM_016812) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Banp (NM_016812) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Banp
Synonyms:	AA408158; SMAR1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC062641
 GGCCTCGCGCGCCTGCGCAGAGCGGCTGCTTCTCTCGCGAGGACGGACGCCATTATCGCAGCTCCCCG
 ACAAACACCACGAGAATTCCGCAGCCCACACGGTGACAGAAACCGCATACCCTGTGACTTCTGGACTCTT
 GCTGTGAGTGTGCCCCCTTCTCGTGCTCTGGATGATGTGACAGCAGGACCTGGCGGATGTGGTTCAGATT
 GCAGTGAAGACCTGAGCCCTGATCACCAGTTGTTTTGGAGAATCATGTGTCGACAGATGATGATGAAC
 CTGCCTTGAAGGCCAGCGACTAGAGATCAATTGCCAGGACCCCTCTATAAAGCTTTTCTGTACTCTAT
 TAACCAGACGATATGTTTGGCGTTGGATAGCATTGAGGCCAAGCTGCAAGCTCTCGAGGCCACTTGCAAA
 TCTCTGGAAGAGAAGCTAGACCTGGTCACCAATAAACAGCACAGTCCCATCCAGGTCCCCATGGTGGCAG
 GTTCCCCACTTGGCGCCACCCAGACCTGCAACAAAGTGGATGCGTCGTCCCCCAGACTACAGTAATACT
 CAACAATGATCGGCAGAACGCCATTGTAGCCAAGATGGAAGACCCATTGAGCAACAGGGCACCAGGATTCC
 CTGGAAAAATCATTAGCAACGCTGTTCTGGCGTCGGCAGAACACCATCGTGGTGAAAGTGCCTGGTC
 AGGACGACAGCCACAACGAAGATGGGGAGAGCGGGTACAGAGCCAGTGACTCCGTGTCTAACTGTGGCCA
 GCCAGGAAGCCAGAACATTGGAAGCAACGTCACACTCATACCCTGAACTCCGAAGAGGACTATCCCAAT
 GGCACCTGGCTGGCGATGAGAATAACCCTGAGATGCGGGTACGCTGTGCCATCATCCCTCCGACATGT
 TGCACATCAGACCAACTGTCGACGGCCGAGAAGATGGCGCTGACACTGCTGGACTACCTGTTCCACCG
 TGAGGTGCAGGCTGTGTCCAACCTGTCCGCGCAGGCAAGCACGGGAAGAAGCAGCTGGACCCCTCACC
 ATCTACGGCATCCGGTGTACCTCTTATAAATTTGGAATCACGGAATCTGACTGGTATCGGATCAAGC
 AGAGCATTGACTCCAAGTGCCGGACAGCCTGGCGCGGAAGCAGCGAGGCCAGAGCCTGGCGGTCAAGAG
 CTTCTCTCGGAGGACGCCATCCTCATCCTTTACAGTGCCTCAGAGACCATGATGGGAACCCCTCCTCCC
 ACCAGTGAGCTACAGCAGTACAGCCACAGGCCCTACACTACGCCCTGGCCAACGCCCAGCAGGTCCAGA
 TCCACCAGATTGGGGAGGATGGACAGGTGCAAGTAATCCACAGGGCCACCTCCACATTGCCAGGTGCC
 TCAAGGGGAGCAGGTGCAGATCACACAGGACAGCGAGGGCAATCTGCAGATCCATCATGTGGGTGAGG
 GCCAGTGTGGGGCCTGTGCCAGAATCCCATTCCTGTACGCGGTGACTCAGTGGCCCAAGCTAATCCCT
 CCCAGCTTTGGCCTCTGGGAGGAGACACTTGATCTGCCTGCTGGAAATGAAATGATCCAGGTACTGCA
 GGGTGCTCAGCTCATAGCCGTGGCCTTTCAGACCCTGCTGCTACAGGAGTAGATGGGTGCGCTCTCCAG
 GGCAGTGACATTAGGTTAGATGTCCAGCTGGCGCCTGTGAGTGACCACACAGCCGACGCGCAGACCG
 CAGAGGCCCTGCAGCCACTCTGCAGCCCGACATGCAGCTTGAACATGGGGCCATCCAGATCCAGTGAGG
 CCAGGCACTGCAGGAGCACCGCTCACAGCTGCTCGCTGACCCTGCCCACTCGTGCCCTGCTCTTTGC
 TTCAGCAAGCAACTGCAGGTTCTGCTGGGCATCTGAGAGCTGCTCCTCCAGGGGAAGGCTCTGGCCACC
 CCTGCTGGAAGGCGCCTCAGGGTTGGAGTCTCACTACTGGTCTCCTCAAAGGAGAAGCATAGTGCAGAG
 TGTGAGTGCATTAGACAGACAAGAACTACGATATTTTGTAAACAGCTTTTTTAATTTGCTATGGTG
 TTTATAACAAAAAAGAAAATGGAIAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_016812

Insert Size: 1647 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<ol style="list-style-type: none">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:	<u>BC062641</u> , <u>AAH62641</u>
RefSeq Size:	2140 bp
RefSeq ORF:	1647 bp
Locus ID:	53325
UniProt ID:	<u>Q8VBU8</u>
Cytogenetics:	8 70.82 cM
Gene Summary:	<p>Controls V(D)J recombination during T-cell development by repressing T-cell receptor (TCR) beta enhancer function. Binds to scaffold/matrix attachment region beta (S/MARbeta), an ATC-rich DNA sequence located upstream of the TCR beta enhancer. Represses cyclin D1 transcription by recruiting HDAC1 to its promoter, thereby diminishing H3K9ac, H3S10ph and H4K8ac levels. Promotes TP53 'Ser-15' phosphorylation and nuclear accumulation, which causes cell cycle arrest and inhibits tumor growth.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents the longest transcript and encodes the longest protein (isoform 2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>