

Product datasheet for **RN209568**

Bpnt1 (NM_171990) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bpnt1 (NM_171990) Rat Untagged Clone
Tag: Tag Free
Symbol: Bpnt1
Synonyms: Sal3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209568 representing NM_171990
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCAGCCACAATGTGTTGATGCGGCTGGTAGCCTCCGCATACTCTATCGCTCAGAAGGCAGGAA
CCATCGTCAGGTGTGTCATCGCTGAAGGAGACCTGGGCATCGTGCAGAAGACCTCAGCCACTGACCTGCA
GACCAAAGCAGACCGCATGGTACAGATGAGCATATGCTCTCCCTGTCCCGGAAATTCGGAAGCTGACG
ATCATCGGGGAAGAGGACCTGCCTCCTGGAGAAGTGGATCAAGAACTGATTGAAGACGGGACGTCGGAGG
AGATCCTGAAGCAGCCGTGCCATCGCAGTACAGTGAATCAAGGAGGAAGACCTTGTGGTTTGGGTTGA
CCCCGTAGATGGTACCAAGGAATACACTGAAGGCTCTTCTTGACAATGTAACAGTGCTCATTGGGATTGCT
TATGAAGGAAAGGCCATCGCAGGCATCATCAACCAGCCATATTACAACCTACCAGGCAGGACCGGACGCCG
TGCTGGGCAGGACCATCTGGGGAGTCTGGGTTTGGGTGCCTTTGGGTTTCAGCTGAAAGAAGCCCTGC
TGGGAAGCACATCATCACCACCAGATCCCATAGCAACAAGCTGGTCACAGACTGCATTGCAGCCATG
AACCTGACAACGTGCTGCGAGTGGGAGGAGCAGGAAACAAGATTATCCAGCTGATTGAAGGCAAAGCCT
CTGCTTATGATTTGCAAGTCTGGATGTAAGAAATGGGATACTTGTGCCCCAGAAGTTATCTTACATGC
TGTAGGAGGGAAGTTGACAGACATCCACGGGAATCCCCTGCAGTACGACAAGGAGGTGAAACACATGAAC
TCTGCTGGAGTTCTGGCTGCACTGCGGAATTATGAGTACTATGCAAGCCGCTACCAGAGTCTGTCAAAA
GTGCACTCATTCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_171990
Insert Size: 927 bp



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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:	<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>NM_171990.2</u> , <u>NP_741987.1</u>
RefSeq Size:	1965 bp
RefSeq ORF:	927 bp
Locus ID:	64473
UniProt ID:	<u>Q9Z1N4</u>
Cytogenetics:	13q26
Gene Summary:	Converts adenosine 3'-phosphate 5'-phosphosulfate (PAPS) to adenosine 5'-phosphosulfate (APS) and 3'(2')-phosphoadenosine 5'- phosphate (PAP) to AMP. Has 1000-fold lower activity towards inositol 1,4-bisphosphate (Ins(1,4)P2) and inositol 1,3,4-trisphosphate (Ins(1,3,4)P3), but does not hydrolyze Ins(1)P, Ins(3,4)P2, Ins(1,3,4,5)P4 or InsP6.[UniProtKB/Swiss-Prot Function]