

Product datasheet for **SC113962**

BPNT2 (NM_017813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BPNT2 (NM_017813) Human Untagged Clone
Tag:	Tag Free
Symbol:	BPNT2
Synonyms:	GPAPP; IMP-3; IMP 3; IMPA3; IMPAD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017813, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCCATGGGCATCCGCCTTCCCACTGGGGGTGGCAGTGTTCCTGCCTGCTGGGGCTCGGCGTGC
TCTACCACCTCTACTCGGGCTTCTTGGCCGGCCGCTTCAGCCTCTTCGGCCTGGGCGCGAGCCTGGCGG
CGGCGCGGCGGGGCCCGCGCCGCGCCGATGGGGCACCGTGGACTTGC GCGAGATGCTGGCTGTGTCA
GTGCTGGCCGAGTCCGCGGCGGCGACGAGGTGAGGCGCGTCCGCGAGAGCAACGTCCTCCACGAGAAGT
CCAAGGGGAAGACGCGCGAGGGAGCCGAGGACAAGATGACCAGCGGCGACGTGCTGTCCAACCGCAAGT
GTTCTACCTGCTCAAGACCGCTTCCCCAGCGTCCAGATTAATACTGAGGAACACGTGGATGCAGCTGAT
CAGGAGGTTATCTTGTGGGATCATAAGATTCTGAGGATATCCTAAAGGAAGTAATACTCCTAAAGAGG
TACCAGCAGAAAGTGTTACTGTCTGGATTGACCCACTTGATGCTACACAGGAATACAGAGGATCTTCG
AAAGTACGTCACTACTATGGTGTGTGGCTGTAATGGTAAACCCATGCTAGGAGTTATACATAAGCCA
TTTTCCGAATACAGCTTGGGCAATGGTAGTGGTGGTTCAAATGTGAAAGCCCGCTTCTCCTACAATG
AGAAGACCCCAAGGATCGTTGTGTCTCGTTCCCATTCAGGGATGGTCAAACAGGTCGCTCTTCAGACTTT
TGGAAACCAGACTACAATTATCCAGCTGGTGGTGTGTTATAAAGTTTTAGCACTTTTGGATGTGCT
GATAAGAGTCAAGAAAAAGCTGATTTATACATCCATGTGACATACATCAAAAAGTGGGATATATGTGCTG
GTAATGCCATCTTAAAAGCCCTAGGGGGGCATATGACTACCCTGAGTGGTGAAGAAATCAGTTACACTGG
TTCAGACGGCATTGAAGGGGACTCCTTGCTAGCATCAGAATGAACCACCAGGCCCTGGTCAGAAAATC
CCAGATCTAGAAAAGACAGGACATAAATGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017813 unedited</p> <pre> NGGTCGGGATTTGTATACGACTTCTATAGGGCGGCCGCGATTTCGGCACGAGGCTAACGTG GAAGTCGGACCAGCCGGCCGGCGGAAGAACCTAGAGCGCGCTGCCTGGCGAGTCAGGCGC GCGGGGCGGCGTTGGTGGTCTTCGCGGGCGCAACTCGGCCCTTCTGGGAGGGAGTGATGG GGCGCACCGGGGCGGGGAGCGGGCGCCAGTGTAGCCCGCGGGCGCCTGGCCCGGAGCG CGGCGGCTGCGGGCGGGCGGGCGGGCGCTGGAGGCCTGTGAGAGCCGAGCCCGGAG CGCCCGGCTTCCACGCCATGGCCCCATGGGCATCCGCCTTCCCCACTGGGGTGGCA GTGTTTTGCTGCTGGGGCTCGGCGTGTCTACCACCTCTACTCGGGCTTCTTGGCCGGC CGTTCAGCCTCTTCGGCCTGGGCGGCGAGCCTGGCGGGCGCGGGCGGGCCCGCGCC GCGGCCGATGGGGCACCGTGGACTTGCAGGAGATGCTGGCTGTGTCAAGTGTGGCCGA GTCCGCGGGCGGACGAGGTGAGGCGCGTCCGCGAGAGCAACGCTCTCCACGAGAAGTCC AAGGGGAAGACGCGGAGGGAGCCGAGGACAAGATGACCAGCGGCGAGTGTGTCCAAC CGAAGATGTTCTACCTGCTCAAGACCGCCTTCCCAGCGTCCAGATTAATACTNGAGAA CACGTGGATGCAGCTGATCAGGGAGTTATCTTGTGGATCATAAAGATCCTGAGGATATC CTAAAGGAAGTACCTACTCTAAAGAGTACCAGCCAGAAGTGGTACTGTCTGGATTGACC CACTTGATGCTACCCAGNATATACAGNAGATCTTCGAAAGTCGCTACTACTATGGNNGGT GTGG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017813 unedited</p> <pre> ATGTACCGCGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTGGGTAGGCTAGA TACATTTATTAATAGTAAAAGCAACCATGGCAAAAGCAACCATACTATTCTTGATAATG AAAGGATCTTCTATATACAAACCTAGCAAATTAATAAAAAAATACTAAAACAAAGTGTCTG AAGATAATGAAAGGCAGTTCAATTCATGTAATGTCAAGTAACTTCAATTGTAATAGAAT CATTTATATTCTATAGTGCCTTACAGCATATTTATCGTTAATGAGAAAATGAACCAAA ACTATAGTGCTAACCCCTGAAACCTTAAACCGAACCTTACAAAGTTAAAGACTAAGTGTG GTCAGAAGGAAAAGGATGCAACCATGCATCTTCCACAGGGAAAATGAAAATAGCAAGATG GCAGAAATGCTGAACTCATGGGTACAAACACACTTTTCTTTATAAAAAACAAAACAACA CACACATACACAGAAATTAATACAATGCAAATCATCATGTGTCTCTATTTTCTACCAG CTGGTGAACCTGTTATTAATAATTAAGAAAAAATCAATTAACCTTTTCTATTTTAAT CCATAGAAATATTCAGTAACATAAATACAACATTTGTTGCATATTAATGAATGTGTGGCT TCTTGTGCTTTCCATCCAAATTAAGAGTAAAAATCCCAATGCACTTATTTTTCATGAGATA TAGNTGTAAGTTTATTAACATCTACACAAAAATCAATCTTCCCTTCAACCGAATNNT ATATGAAGTACTAACAGNGAAGATTTCATGATGTTGTGTGAAAATGGGGACTNCATACAA TGTAGACTCAGCTACAGATTTTATTCACAAATTATATATGCCCCCTGGNGTATGACAACT GTATGAAAATAGTCTCAAAAATAAGACCATACTTGAGAACCAAGAACCCNATTTTCTGA TTTGNCTNCTATTACGGNAATAAGCTCCTGAGCTCATAAAACCTAAAAGATCG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_017813
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:	<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:	NM_017813.2 , NP_060283.2
RefSeq Size:	2438 bp
RefSeq ORF:	1080 bp
Locus ID:	54928
UniProt ID:	Q9NX62
Cytogenetics:	8q12.1
Domains:	inositol_P
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the inositol monophosphatase family. The encoded protein is localized to the Golgi apparatus and catalyzes the hydrolysis of phosphoadenosine phosphate (PAP) to adenosine monophosphate (AMP). Mutations in this gene are a cause of GRAPP type chondrodysplasia with joint dislocations, and a pseudogene of this gene is located on the long arm of chromosome 1. [provided by RefSeq, Dec 2011]