

## Product datasheet for **SC214152**

### **BPNT1 (NM\_006085) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	BPNT1 (NM_006085) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	BPNT1
Synonyms:	HEL20; PIP
ACCN:	NM_006085
Insert Size:	1392 bp



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**Insert Sequence:** >SC214152 3'UTR clone of NM\_006085  
The sequence shown below is from the reference sequence of NM\_006085. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAATCTATTAATAATGCACTTGTTCCCTAAAGGAAAGTTTCATTTGGCCGGCGCGGTGGCTCATGCCT
GTAATCCCAGCACTTTGGGAGGCCGAGGAGGTGATCACTTGAGCTCAGGAGTTTGAGACCAGCCTGG
GCAATATCGTGAGACCCCATCTCTACAAAAATACAAATTAAGTGGGCATCCTGTGCATGCGCCTGTATC
CCAGCTACTTGAGAGGCTGAAGCAGAAGAATCTCTTGAGCCCGAAGGCAGAGGTTGAGTGTGAGCTGAG
ATCGTGCCACTGCACTCCAGCCTGAGTGACAGGAGTTAAGCCCTGTCTCAGAAAAAAAAAAAAACAAAA
CCCCAAAAGTACTTAAAGTTTCATTTACTTAGCTAGGAGAAAGACTTGGTTCTCAAATAATACATTTT
AAGATTAATTGGGTAGAATTAGAGTTCACCTTTATTCATTGTTGAGCAGTGATTATATTTAGTTATT
ATATTTAGGAATAGAAAATAGAATTAATAATTTAACTTGATTAATCAACCAGACCAATTTTGACGTCT
GGAGAACTTATAAATCAATATGTTATATTTGTTTTCCTGTATTTAGGTGGAGAAATGAGAAAAAGCTT
TAGTTCCAATTGACAGTTCAGGTCAATGTTCAATGAACATTCTATCTTCTAAACCAGATTTCTCTTTT
TTTTCTGAGACGGAGTCTCGCTCTGTAGCCTAGGCTAGAATGTAGTGGCGTGATCTCGGCTCACTGC
AAGCTCCGCCTCCCGGTTTCATGCCATTCTCTGCCTCAGCCTCCCGAGTAGCTGGGACTGCAGGCACC
GCCACCACGCCTGGCTAATTTTTTGTATTTTTAGTAGAGAAGGTGTTTACCCTGTTAGCCAGGATGGT
CTTGATCTCCTGACATCGTGATCTGTCTGCCTCGGACTCCCAAAGTGTGGGATTACAGGTGTGAGCCA
CCGCACCTGGCCTAAACCAGATTTCTTTAGGGCACAATTTTTCTGGAATCTCACTCTTGTTTTTTACA
GTAATTTTAAAAACGTTTCTACTCCAATTAAGAATATATATGATGTTATTATATATGCTTATGAAACAG
ATTTATGAGAAAAGTTTTTTTTAAATAAATTAATTAATCCTAGCTCTTTGTTATTACCAGCTTTTTTAA
AAAAGTGTGAAAATTATACATTCTCGACTTTGGGGATTAGTTTATTCTTGTGGCATCATTATAAGGC
TTAATTGTGAAAAGCTAAGTACTTGCTTCTATTCTTCCAATGAGAGATTATAACATAAATATTAATA
TTATTCTGCTAATATACCTAGATTTTTATTTTTAGGTCTCTGTCCATTGCTTTTAATTAATAATATCTG
TTTTCAAATCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG

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**Restriction Sites:** Sgfl-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_006085.6](#)

**Summary:** BPNT1, also called bisphosphate 3-prime-nucleotidase, or BPntase, is a member of a magnesium-dependent phosphomonoesterase family. Lithium, a major drug used to treat manic depression, acts as an uncompetitive inhibitor of BPntase. The predicted human protein is 92% identical to mouse BPntase. BPntase's physiologic role in nucleotide metabolism may be regulated by inositol signaling pathways. The inhibition of human BPntase may account for lithium-induced nephrotoxicity. [provided by RefSeq, Jul 2008]

**Locus ID:** 10380

MW: 53.1