

## Product datasheet for **SC127745**

### **BPOZ (ABTB1) (NM\_172027) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BPOZ (ABTB1) (NM_172027) Human Untagged Clone
Tag:	Tag Free
Symbol:	BPOZ
Synonyms:	BPOZ; BTB3; BTBD21; EF1ABP; PP2259
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC127745 sequence for NM\_172027 edited (data generated by NextGen Sequencing)

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ATGGACACCAGCGACCTGTTCCGCCAGCTGCAGGAAGGGGGATGTGGGCCGAGTGCGGTAC
CTGCTGGAGCAGCGAGACGTGGAGGTGAATGTCCGGGACAAGTGGGACAGCACCCCTTG
TACTATGCCTGCTTGTGTGGGCACGAGGAGCTGGTACTCTACCTTCTGGCCAATGGAGCC
CGCTGCGAGGCCAACACCTTCGATGGTGAGCGCTGCCTCTATGGGGCACTGAGTGACCCC
ATCCGCCGGGCTCTACGCGATTACAAGCAGGTACGGCTTCTCTGCAGGAGGCGGGATTAC
TATGACGACTTCTTGCAGCGGCTTCTAGAGCAGGGCATCCACAGTGACGTGGTCTTTGTA
GTACACGGGAAGCCATTCCGGGTGCATCGCTGCGTCTGGGTGCACGTAGTGCCTACTTT
GCCAACATGCTGGACACCAAAATGGAAGGGCAAGAGTGTCTGGTCTCAGGCACCCACTG
ATCAACCCCGTGGCCTTTGGGGCCCTGCTGCAGTACCTGTACACAGGCCGCTAGACATT
GGCGTAGAGCATGTGAGTACTGTGAGCGCCTGGCCAAGCAATGCCAGCTGTGGGACCTG
CTCAGCGACCTGGAGGCCAAGTGCGAGAAGGTGTCTGAGTTTGTGGCGTCTAAGCCAGGC
ACGTGTGTGAAGGTGCTGACCATCGAGCCCCACCTGCAGACCCCGCCTCCGGGAGGAC
ATGGCGTGTGCGCGATTGTGCCCTGCCCCCGAGCTCCGAGGTGATCTTTGGGAGCTG
CCCTTCCCTTGTCTGACGGCTTCAACAGCTGCCCTGACATCTGCTTCCGAGTGGCTGGC
TGACGTTCTCTGCCACAAGGCCTTTTTCTGTGGCCGAGTACTACTCCGAGCCCTG
CTGGATGACCACTTCCGAGAGAGCGAGGAGCCAGCGACCTCAGGGGGCCCCCAGCCGTC
ACCCTGCATGGCATCTCACCCGACGTCTTCACTCACGTGCTCTACTACATGTACAGCGAC
CACACTGAGCTGTCCCCGAGGCAGCCTATGATGTGCTGAGCGTGCGCCGACATGTACCTG
CTGCCAGGCCTGAAGAGGCTGTGCGGCCGAGCCTGGCTCAGATGCTAGACGAGGACACT
GTGGTGGGTGTGTGGCGCGTGGCCAAGCTTCCGCTGGCGCGGCTTGGAGACCAGTGC
ACTGAGTACATGGCCAAGGTCAATTGAGAAGTGGTGGAGCGGGAGGACTTCGTGGAGGCG
GTGAAGGAGGAGCGACGCGCTGTGGCAGCCCGCAGGAGACGGACTCTATCCCGCTGGTG
GACGACATCCGCTTCCAGTGGCCAGCAGGTGCAGACCTACAGCGCCATAGAGGAGGCG
CAGCAGCGTCTGCGGGCACTCGAGGACCTGCTCGTGTCCATCGGTCTGGACTGTTGA

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Clone variation with respect to NM\_172027.2  
534 g=>a

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_172027 unedited
GGATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTACCATCCTC
CGCGCCATGGACACCAGCGACCTGTTCCGCCAGCTGCAGGAAGGGGGATGTGGGCCGAGTG
CGGTACCTGCTGGAGCAGCGAGACGTGGAGGTGAATGTCCGGGACAAGTGGGACAGCACC
CCCTTGTACTATGCCTGCTTGTGTGGGCACGAGGAGCTGGTACTCTACCTTCTGGCCAAT
GGAGCCCGCTGCGAGGCCAACACCTTCGATGGTGAGCGCTGCCTCTATGGGGCACTGAGT
GACCCCATCCGCCGGGCTCTACGCGATTACAAGCAGGTACGGCTTCTCTGCAGGAGGCGG
GATTAATGACGACTTCTTGCAGCGGCTTCTAGAGCAGGGCATCCACAGTGACGTGGTC
TTTGTAGTACACGGGAAGCCATTCCGGGTGCATCGCTGCGTCTGGGTGCACGTAGTGCC
TACTTTGCCAACATGCTGGACACCAAAATGGAAGGGCAAGAGTGTCTGGTCTCAGGCAC
CCACTGATCAACCCCGTGGCCTTTGGGGCCCTGCTGCAGTACCTGTACACAGGCCGCTA
GACATTGGCGTAAAGCATGTGAGTACTGTGAGCGCCTGGCCAAGCAATGCCAGCTGTGG
GACCTGCTCAGCGACCTGGAGGCCAAGTGCGAGAAGGTGTCTGAGTTTGTGGCGTCTAAC
CAGGCACGTGTGTGAAGGTGCTGACCATCGAGCCCCACCTGCAGACCCCGNCTTCGGGA
GGACATGGCGCTGCTGGCCGATTGTGCCCTGCCCCGAGCNNTCGAGTGATCTTTGNGAG
CTGCCCTTCCCTTGTNCTGACGCTTACAGCTGCCCTGAATCTGCTTTCGAGTGGCTGCTG
CAGCTTCTCTGCC

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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_172027 unedited GCTATGGACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTCACGGTGCC TTCAAGCTTTATTGCCACACACTCCCCAGCCCTTCCTGAATGGCCCTGTGCATGGGA ACACCAGCTTAAAGAAGCAATTCAGGGCTAGGCAAGGGCCAGAGGACTGGATTTGGGACT GGGGTGGGTAGGGGGGATCTGGAGAAGGAAAGTCTAAGACCAAAGCCCACCCCAACCC AGGTTTCCCTGAGTGGTGTCCACCCAGGGTCTTGGGGGCTGGCTTGTGCATTGGGGGG AGGGGGCTCATCCAAATGGATCCTCCCTGGGGTCTCCAGGCTCATGGAGGGAAGAGAA GCCCCACTGAGCCCTCGCACCCCATGAAGCCCTCAATGTGCAGGGAGCAGGAAGAAG AGCTGCACACAAACGCATACACATGCTTGTCTCCAAGAGAGCTCCTGGCCCTGGGGCTG CCCAGCCAGGGGCTCAACAGTCCAGACCGATGGACACGAGCAGGTCTCGAGTGCCCGCA GACGCTGTGCGCCTCCTCTATGGCGCTGTAGGTCTGCACCGTGTGGCCACGTGGAAGC GGATGTCGTCCACCAGCGGGATAGAGTCCGTCTCCTGCCGGGCTGCCACAGCCGCTGCT CCTCCTTACCAGCCTCCACGAAGTCTCCCGCTTACCAGCTTCTCAATGACCTTGCCA TGTACTCAGTGCCTGCTCAAGCCGCGCCAGGCGGAAGAGCTTGCCACGCGCCACA CACCCACCACAGTGTCTCGTCTAGCATCTGAGCCAGCTGCGGCCGCACAGCCTTTTAG GCCTGGCAGCAGTTCATGTCNCGCAGCTCACACATAATAGGCTGGCTGGGGACAGCTC ANGTGGNCCCTGCCATGTANTANACCCGTGAGTGAAACGTCGGTAAAAGCCTGCCAGTGA CGGTTGGGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_172027
<b>Insert Size:</b>	1830 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_172027.1</a></u> , <u><a href="#">NP_742024.1</a></u>
<b>RefSeq Size:</b>	1989 bp
<b>RefSeq ORF:</b>	1437 bp
<b>Locus ID:</b>	80325
<b>UniProt ID:</b>	<u><a href="#">Q969K4</a></u>
<b>Cytogenetics:</b>	3q21.3
<b>Domains:</b>	BTB, ANK

**Gene Summary:**

This gene encodes a protein with an ankyrin repeat region and two BTB/POZ domains, which are thought to be involved in protein-protein interactions. Expression of this gene is activated by the phosphatase and tensin homolog, a tumor suppressor. Alternate splicing results in three transcript variants. [provided by RefSeq, Mar 2010]

Transcript Variant: This variant (2, also known as BPOZ type 2) encodes the longer isoform (2).