

Product datasheet for **SC300445**

BPY2 (BPY2C) (NM_001002761) Human Untagged Clone

Product data:

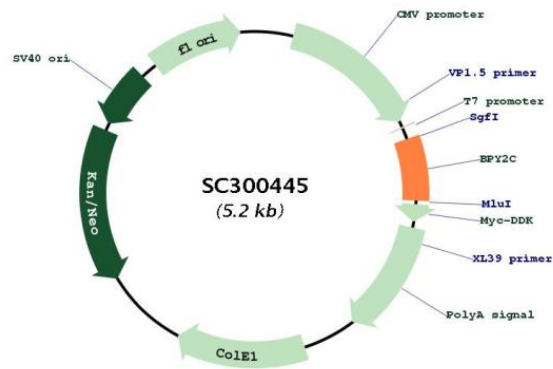
Product Type:	Expression Plasmids
Product Name:	BPY2 (BPY2C) (NM_001002761) Human Untagged Clone
Tag:	Tag Free
Symbol:	BPY2C
Synonyms:	VCY2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300445 representing NM_001002761. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGACGCTTGTCCCCAGAGCCAGGACACGTGCAGGACAGGATCATTACTCTCATCCCTGCCCCAGA
TTTTACAGGTGCTGCTTACAGAGGGCATCATGACATATTGCTTGACAAAGAACCTAAGTGATGTTAAT
ATTCTGCATAGGTTGCTAAAAAATGGGAATGTGAGAAATACCTTGCTTCAGTCAAAGTGGGCTTGCTG
ACATATTATGTAAACTGTACCCGGTGAAGTACTCTTCTGACTAGGCCAGCATACAAATGAGATTA
TGCTGTACTACTGGCTCAGTGTGAGGCCAGATCACAGAAGTAA
ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001002761

Insert Size: 321 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_001002761.1](#)

RefSeq Size: 1206 bp

RefSeq ORF: 321 bp

Locus ID: 442868

UniProt ID: [O14599](#)

Cytogenetics: Yq11.23

MW: 12.1 kDa

Gene Summary: This gene is located in the nonrecombining portion of the Y chromosome, and expressed specifically in testis. The encoded protein interacts with ubiquitin protein ligase E3A and may be involved in male germ cell development and male infertility. Three nearly identical copies of this gene exist on chromosome Y; two copies are part of a palindromic region. This record represents the more telomeric copy within the palindrome. [provided by RefSeq, Jul 2008]