

Product datasheet for **SC303518**

BPY2 (NM_004678) Human Untagged Clone

Product data:

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|----------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | BPY2 (NM_004678) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | BPY2 |
| Synonyms: | BPY2A; VCY2; VCY2A |
| Vector: | <u>pCMV6 series</u> |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_004678, the custom clone sequence may differ by one or more nucleotides ATGATGACGCTTGTCCCCAGAGCCAGGACACGTGCAGGACAGGATCATTACTCTCATCCC TGCCCCAGATTTTCACAGGTGCTGCTTACAGAGGGCATCATGACATATTGCTTGACAAAG AACCTAAGTGATGTTAATATTCTGCATAGGTTGCTAAAAAATGGGAATGTGAGAAATACC TTGCTTCAGTCCAAAGTGGGCTTGCTGACATATTATGTGAACTGTACCCGGGTGAAGTG ACTCTTCTGACTAGGCCAGCATACAAATGAGATTATGCTGTATCACTGGCTCAGTGTCC AGGCCAGATCACAGAAGTAA |
| Restriction Sites: | Please inquire |
| ACCN: | NM_004678 |
| 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). |



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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_004678.1](#), [NP_004669.1](#)

RefSeq Size: 1212 bp

RefSeq ORF: 321 bp

Locus ID: 9083

UniProt ID: [O14599](#)

Cytogenetics: Yq11.223

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 copy outside of the palindromic region. [provided by RefSeq, Jul 2008]