

Product datasheet for **SC303519**

VCY (NM_004679) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | VCY (NM_004679) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | VCY |
| Synonyms: | BPY1; VCY1; VCY1A |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC303519 representing NM_004679. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

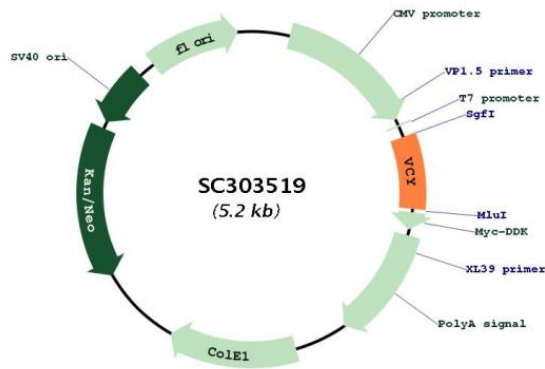
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTCCAAAGCCGAGAGCCTCGGGACCTCCGGCCAAGGCCAAGGAGACAGAAAGAGGAAGTCCTCC
TCTCAGCCGAGCCCCAGTGGCCGAAGAAGAAGACTACCAAGGTGGCCGAGAAGGGAGAAGCAGTTCGT
GGAGGGAGACGCGGGAAGAAAGGGGCTGCGACAAAGATGGCGGCCGTGACGGCACCTGAGGCGGAGAGC
GGGCCAGCGGCACCCGGCCCCAGCGACCAGCCAGCCAGGAGCTCCCTCAGCACGAGCTGCCGCCGGAG
GAGCCAGTGAGCGAGGGGACCCAGCACGCCCCCTGAGTCAGGAGAGCGAGCTGGAGGAACCACTGAGT
AAGGGGCGCCATCTACTCCCCTATCTCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_004679

Insert Size: 378 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_004679.2](#)

RefSeq Size: 551 bp

RefSeq ORF: 378 bp

Locus ID: 9084

UniProt ID: [O14598](#)

Cytogenetics: Yq11.221

MW: 12.9 kDa

Gene Summary: The protein encoded by this gene is a member of a family of human VCX/Y genes. This gene family has multiple members on both X and Y chromosomes, and all are expressed exclusively in male germ cells. Members of the VCX/Y family share a high degree of sequence identity, with the exception that a 30-bp unit is tandemly repeated in X-linked members but occurs only once in Y-linked members. VCX/Y genes encode small and highly charged proteins of unknown function. This gene encodes a small, positively charged protein. The presence of a putative bipartite nuclear localization signal suggests that this gene encodes a nuclear protein. The genome has two identical copies of this gene within a palindromic region; this record represents the more centromeric copy. [provided by RefSeq, Jul 2008]