

Product datasheet for **SC125625**

VCY (VCY1B) (NM_181880) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VCY (VCY1B) (NM_181880) Human Untagged Clone
Tag:	Tag Free
Symbol:	VCY
Synonyms:	BPY1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_181880 edited GGGGGATACACAGGGAGGCCAGGCAGCCTGGAGTTAGTCGACCGTTGCGAGACGTTGAGC TGCGGCAGATGAGTCAAAGCCGAGAGCCTCGGGACCTCCGGCCAAGCCAAGGAGACAG GAAAGAGGAAGTCTCCTCTCAGCCGAGCCCCAGTGGCCGAAGAAGAAGACTACCAAGG TGGCCGAGAAGGGAGAAGCAGTTCGTGGAGGGAGACGCGGGAAGAAGGGGCTGCGACAA AGATGGCGGCCGTGACGGCACCTGAGGCGGAGAGCGGGCCAGCGGCACCCGGCCCCAGCG ACCAGCCCAGCCAGGAGCTCCCTCAGCACGAGCTGCCGCCGAGGAGCCAGTGAGCGAGG GGACCCAGCACGACCCCTGAGTCAGGAGAGCGAGCTGGAGGAACCACTGAGTAAGGGGC GCCCATCTACTCCCTATCTCCCTGAGCAGCAACTAAGTTTAGGCCAGCTGCCAGACCT CAGAGATCTCACCAGCAGGGTGCTTCCCATGTTGATGACAATAAAATGAATGTGTGCAA ACCGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_181880 unedited CCCGGCAGTTTCAGGATTTGTAATACGACTCACTATAGGCGGCGCGGAATTCGCCACTT ACGGCCGGGGGATACACAGGNAGGCCAGGCAGGCTGGAGTTAGTCGACCGTTGCGAGAC GTTGAGCTGCGGCAGATGAGTCCAAAGCCGAGAGCCTCGGGACCTCCGGCCAAGGCAAG GAGACAGAAAGAGGAAGTCCTCTCAGCCGAGCCCCAGTGGCCCGAAGAAGAAGACT ACCAAGGTGGCCGAGGAGGGAGAAGCAGTTCGTGGAGGGAGACGCGGGAAGAAAGGGCT GCGACAAAGATGGCGCCGTGACGGCACCTGAGGCGGAGAGCGGGCCAGCGGCACCCGGC CCCAGCGACCCAGCCAGCCAGGAGCTCCCTCAGCACGAGCTGCCGCCGAGGAGCCAGTG AGCGAGGGGACCCAGCACGACCCCTGAGTCAGGAGAGCGAGCTGGAGGAACCACTGAGT AAGGGGCGCCATCTACTCCCCTATCTCCCTGAGCAGCACTAAGTTTAGGCCAGCTGC CAGACCTCAGAGATCTACCAGCCGGTGCTTCCCATGTTGATGACAATAAAATGAATGT GTTGGCAACCCGCCAACATNTCCCACCCTTTTTTAAACATGGTCGCCCGCTGGGGCT GGACTCTAGATTGGGGCCGCGGGATAGCTGTTTCTGAACAAATTCCCGGGGGATCCC TGTGACCTTCCAGTGCCTTCTGGGCTGGGAAGTGCCATTCCAGGGCCACCACCC TGGGGCTTATAACAAAGTGGGCTCACTTTTTTACTAGGGGCCCTTCTAAATTATGGG CGGAGGCGGTGGCTTCCGTCCCACCCCCCTTTGCCACACCCCC
Restriction Sites:	Please inquire
ACCN:	NM_181880
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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_181880.1</u> , <u>NP_870996.1</u>
RefSeq Size:	573 bp
RefSeq ORF:	378 bp
Locus ID:	353513
UniProt ID:	<u>O14598</u>
Cytogenetics:	Yq11.221

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 telomeric copy. [provided by RefSeq, Jul 2008]