

Product datasheet for **SC304010**

VCX (NM_013452) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VCX (NM_013452) Human Untagged Clone
Tag:	Tag Free
Symbol:	VCX
Synonyms:	VCX-10r; VCX-B1; VCX1; VCX10R; VCXB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304010 representing NM_013452. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGTCCAAAGCCGAGAGCCTCGGGACCTCCGGCCAAGGCCACGGAGGCAGGAAAGAGGAAGTCCTCC
TCTCAGCCGAGCCCCAGTGACCCGAAGAAGAAGACTACCAAGGTGGCCAAGAAGGGAAAAGCAGTTCGT
AGAGGGAGACGCGGGAAGAAAGGGGCTGCGACAAAGATGGCGGCCGTGACGGCACCTGAGGCGGAGAGC
GCGCCAGCGGCACCCGGCCCCAGCGACCAGCCAGCCAGGAGCTCCCTCAGCACGAGCTGCCCGGGAG
GAGCCAGTGAGCGAGGGGACCCAGCACGACCCCTGAGTCAGGAGGCCGAGCTGGAGGAACCACTGAGT
CAGGAGAGCGAGGTGGAAGAACCACTGAGTCAGGAGAGCCAGGTGGAGGAACCACTGAGTCAGGAGAGC
GAGGTGGAAGAACCACTGAGTCAGGAGAGCCAGGTGGAGGAACCACTGAGTCAGGAGAGCGAGGTGGAG
GAACCACTGAGTCAGGAGAGCCAGGTGGAGGAACCACTGAGTCAGGAGAGCGAGATGGAAGAACCACTG
AGTCAGGAGAGCCAGGTGGAGGAACCACTGAGTCAGGAGAGCGAGATGGAAGAACTACCGAGTGTTAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_013452
Insert Size:	621 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).



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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:	<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:	NM_013452.2
RefSeq Size:	976 bp
RefSeq ORF:	621 bp
Locus ID:	26609
UniProt ID:	Q9H320
Cytogenetics:	Xp22.31
MW:	22.3 kDa
Gene Summary:	This gene belongs to the VCX/Y gene family, which has multiple members on both X and Y chromosomes, and all are expressed exclusively in male germ cells. The X-linked members are clustered on chromosome Xp22 and Y-linked members are two identical copies of the gene within a palindromic region on Yq11. The family members 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. The VCX gene cluster is polymorphic in terms of copy number; different individuals may have a different number of VCX genes. VCX/Y genes encode small and highly charged proteins of unknown function. The presence of a putative bipartite nuclear localization signal suggests that VCX/Y members are nuclear proteins. This gene contains 10 repeats of the 30-bp unit. [provided by RefSeq, Jul 2008]