

Product datasheet for **RG213997**

VCX2 (NM_016378) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	VCX2
Synonyms:	VCX-2r; VCX2R; VCXB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG213997 representing NM_016378
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCCAAAGCCGAGAGCCTCGGGACCTCCGGCCAAGGCCACGGAGGCAGGAAAGAGGAAGTCTCTCT
CTCAGCCGAGCCCCAGTGACCCGAAGAAGAAGACTACCAAGGTGGCCAAGAAGGAAAAGCAGTTCTGTAG
AGGGAGACGCGGGAAGAAGGGGCTGCGACAAAGATGGCGGCCGTGACGGCACCTGAGGCGGAGAGCGCG
CCAGCGGCACCCGGCCCCAGCGACCCAGCCAGGAGTCCCTCAGCACGAGCTGCCCGCGAGGAGC
CAGTGAGCGAGGGGACCCAGCACGACCCCTGAGTCAGGAGAGCGAGGTGGAAGAACCACTGAGTCAGGA
GAGCGAGGTGGAAGAACCACTGACTGTGTGGATGGCCAGCTTTTCCCTGTCTCCGAGAGCACCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213997 representing NM_016378
Red=Cloning site Green=Tags(s)

MSPKPRASGPPAKATEAGKRKSSSQSPSPDPKKKTTKVAKKGKAVRRRRGKKGAATKMAAVTAPEAES
PAAPGSPDQPSQELPQHELPPEEPVSEGTQHDPLSQESEVEEPLSQESEVEEPLTVWMAASFSPVSEST

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_016378

ORF Size: 417 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

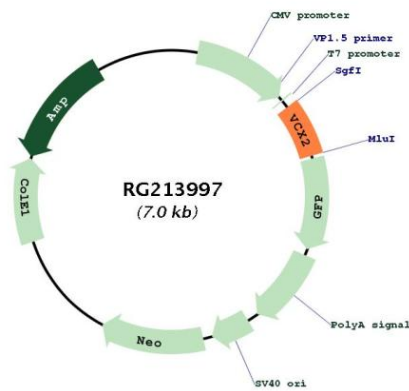
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_016378.3, NP_057462.2
RefSeq Size: 817 bp
RefSeq ORF: 420 bp
Locus ID: 51480
UniProt ID: Q9H322

Cytogenetics: Xp22.31

Gene Summary: This gene belongs to the VCX/Y gene family, which has multiple members on both X and Y chromosomes that are expressed exclusively in male germ cells. The VCX gene cluster is polymorphic in terms of copy number; different individuals may have a different number of VCX genes. This gene contains two copies of a 30 nt tandem repeat. Deletion of a nearby member of this family was implicated in cognitive disability. [provided by RefSeq, Feb 2015]

Product images:



Circular map for RG213997