OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG221002

VCX3A (NM_016379) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VCX3A (NM_016379) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VCX3A
Synonyms:	VCX-8r; VCX-A; VCX3; VCX8R; VCXA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG221002 representing NM_016379
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTCCAAAGCCGAGAGCCTCGGGACCTCCGGCCAAGGCCAGGGAGGCAGGAAAGAGGAAGTCCTCCT
CTCAGCCGAGCCCCAGTGACCCGAAGAAGAAGACTACCAAGGTGGCCAAGAAGGGAAAAGCAGTTCGTAG
AGGGAGACGCGGGAAGAAAGGGGCTGCGACAAAGATGGCGGCCGTGACGGCACCTGAGGCGGAGAGCGGG
CCAGCGGCACCCGGCCCCAGCGACCAGCCCAGCCAGGAGCTCCCTCAGCACGAGCTGCCGCCGGAGGAGC
CAGTGAGCGAGGGGACCCAGCACGACCCCCCGAGTCAGGAGAGCCAGCTGGAGGAACCACTGAGTCAGGA
GAGCGAGGTGGAAGAACCACTGAGTCAGGAGAGCCAGGTGGAGGAACCACTGAGTCAGGAGAGCGAGGTG
GAGGAACCACTGAGTCAGGAGAGCCAGGTGGAGGAACCACTGAGTCAGGAGAGCGAGATGGAAGAACCAC
TGAGTCAGGAGAGCCAGGTGGAGGAACCACCGAGTCAGGAGAGCGAGATGGAAGAACTACCGAGTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221002 representing NM_016379
Red=Cloning site Green=Tags(s)

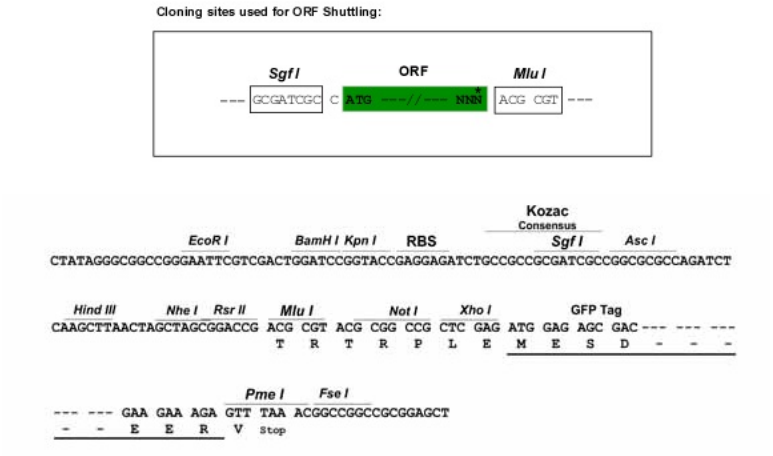
MSPKPRASGPPAKAREAGKRKSSSQPSPSDPKKKTTKVAKKGKAVRRGRRGKKGAATKMAAVTAPEAESG
PAAPGPSDQPSQELPQHELPPEEPVSEGTQHDPPSQESQLEEPLSQESEVEEPLSQESQVEEPLSQESEV
EEPLSQESQVEEPLSQESEMEEPLSQESQVEEPPSQESEMEELPSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



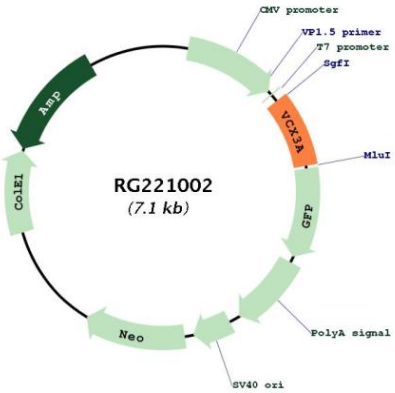
ACCN:	NM_016379
ORF Size:	558 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_016379.2, NP_057463.2
RefSeq Size:	1004 bp
RefSeq ORF:	561 bp
Locus ID:	51481

UniProt ID: Q9NNX9

Cytogenetics: Xp22.31

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 8 repeats of the 30-bp unit. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG221002