

## **Product datasheet for PH324497**

## OriGene Technologies, Inc.

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## VCX (NM 013452) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** VCX MS Standard C13 and N15-labeled recombinant protein (NP 038480)

Species: Human **HEK293 Expression Host:** 

**Expression cDNA Clone** 

or AA Sequence:

RC224497

Predicted MW: 22.3 kDa

>RC224497 protein sequence **Protein Sequence:** 

Red=Cloning site Green=Tags(s)

MSPKPRASGPPAKATEAGKRKSSSQPSPSDPKKKTTKVAKKGKAVRRGRRGKKGAATKMAAVTAPEAESA PAAPGPSDQPSQELPQHELPPEEPVSEGTQHDPLSQEAELEEPLSQESEVEEPLSQESQVEEPLSQESEV EEPLSQESQVEEPLSQESEVEEPLSQESQVEEPLSQESEMEEPLSQESQVEEPLSQESEMEELPSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Labeling Method:** Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 038480

RefSeg Size: 976 RefSeq ORF: 618

Synonyms: VCX-10r; VCX-B1; VCX1; VCX10R; VCXB1

Locus ID: 26609 UniProt ID: O9H320





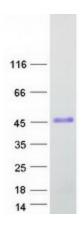
Cytogenetics:

Xp22.31

**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]

## **Product images:**



Coomassie blue staining of purified VCX protein (Cat# [TP324497]). The protein was produced from HEK293T cells transfected with VCX cDNA clone (Cat# [RC224497]) using MegaTran 2.0 (Cat# [TT210002]).