



# Recombinant Human Variable charge X-linked protein 2 (VCX2)

<b>Product Code</b>	CSB-EP880961HU
<b>Abbreviation</b>	VCX2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9H322
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSPKPRASGP PAKATEAGKR KSSSQPSPSD PKKKTTKVAK KGKAVRRGRR GKKGAATKMA AVTAPEAESA PAAPGPSDQP SQELPQHELP PEEPVSEGTO HDPLSQESEV EEPLSQESEV EEPLTVWMAS FSPVSESTD
<b>Source</b>	E.coli
<b>Target Names</b>	VCX2
<b>Protein Names</b>	Recommended name: Variable charge X-linked protein 2 Alternative name(s): Variable charge protein on X with two repeats Short name= VCX-2r Variably charged protein X-B Short name= VCX-B
<b>Expression Region</b>	1-139
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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 2 repeats of the 30-bp unit.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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