



Recombinant Human Variable charge X-linked protein 1 (VCX)

Product Code	CSB-EP875661HU
Abbreviation	VCX
Storage	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.
Uniprot No.	Q9H320
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSPKPRASGP PAKATEAGKR KSSSQPSPSD PKKKTTKVAK KGKAVRRGRR GKKGAATKMA AVTAPEAESA PAAPGPSQDP SQELPQHELP PEEPVSEGTV HDPLSQEAEV EEPLSQESEV EEPLSQESQV EEPLSQESEV EEPLSQESQV EEPLSQESEV EEPLSQESQV EEPLSQESEV EEPLSQESQV EEPLSQESEV EELPSV
Source	E.coli
Target Names	VCX
Protein Names	Recommended name: Variable charge X-linked protein 1 Alternative name(s): Variable charge protein on X with ten repeats Short name= VCX-10r Variably charged protein X-B1 Short name= VCX-B1
Expression Region	1-206
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.



Reconstitution

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.

Shelf Life

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.