



Recombinant Human immunodeficiency virus type 2 subtype A Protein Vpx(vpx)

Product Code	CSB-EP325553HLU
Relevance	Plays a role in nuclear translocation of the viral pre-integration complex (PIC), thus is required for the virus to infect non-dividing cells. Targets specific host proteins for degradation by the 26S proteasome. Acts by associating with the cellular CUL4A-DDB1 E3 ligase complex through direct interaction with host VPRPB/DCAF-1. This change in the E3 ligase substrate specificity results in the degradation of host SAMHD1. In turn, SAMHD1 depletion allows viral replication in host myeloid cells by preventing SAMHD1-mediated hydrolysis of intracellular dNTPs necessary for reverse transcription.
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.	P18099
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Viral protein XX ORF protein
Product Type	Recombinant Protein
Species	Human immunodeficiency virus type 2 subtype A (isolate BEN) (HIV-2)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MTDPRERVPPGNSGEETIGEAFEWLERTIEALNREAVNHLPRELIFQVWQRS WRYWHDEQGMSASYTKYRYLCLMQKAIFTHFKRGCTCWGEDMGREGLEDQ GPPPPPPGLV
Research Area	Others
Source	E.coli
Gene Names	vpx
Expression Region	1-113aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	17.2kDa
Protein Description	Full Length
Image	

