

# Recombinant Human Immunodeficiency Virus Type 2 Subtype A VPX Protein (1-112 aa), His-SUMO-tagged

**Cat. No.** VPX-1788H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human Immunodeficiency Virus Type 2 Subtype A (isolate ROD) (HIV-2) VPX Protein (1-112 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
<b>Species</b>	Human Immunodeficiency Virus Type 2 Subtype A
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-112 aa
<b>Description</b>	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 (By similarity).
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	28.8 kDa
<b>AA Sequence</b>	MTDPRETVPPGNSGEETIGEAFWLNRTVEAINREAVNHLPRELIFQVWQRSWRYW

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	HDEQGMSESYTKYRYLCIIQKAVYMHVRKGCTCLGRGHGPGGWRPGPPPPPPGL V
<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
<b>Concentration</b>	A hardcopy of COA with reconstitution instruction is sent along with the products.

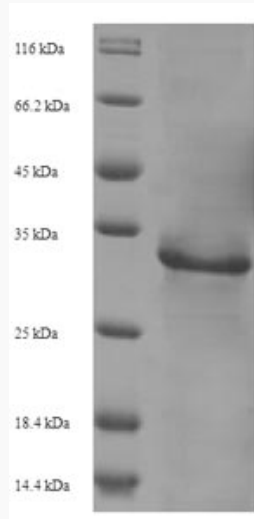
## GENE INFORMATION

<b>Synonyms</b>	vpx; Viral protein X X ORF protein;
<b>UniProt ID</b>	<a href="#">P06939</a>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA