Recombinant Simian Immunodeficiency Virus VPX Protein (1-112 aa), His-SUMO-tagged

Cat. No. VPX-882S **Lot. No.** (See product label)

SPECIFICATION

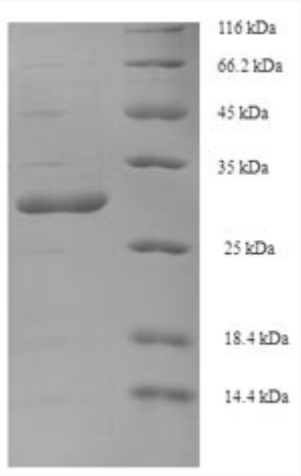
Product Overview	Recombinant Simian Immunodeficiency Virus (isolate K78) (SIV-mac) VPX Protein (1-112 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Simian Immunodeficiency Virus
Source	E.coli
ProteinLength	1-112 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	29.2 kDa
AA Sequence	MSDPRERIPPRNSGEETIGEAFEWLNRTVEEINREAVNHLPRELIFQVWQRSWEYW

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

UniProt ID	P11266



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

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