

Datasheet for ABIN5710778

Vpx Protein (VPX) (AA 1-112), (full length) protein (His-SUMO Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	Vpx Protein (VPX)
Protein Characteristics:	AA 1-112, full length
Origin:	Simian Immunodeficiency Virus (SIV)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His-SUMO Tag
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MSDPREIRIPP RNSGEETIGE AFEWLNRTVE EINREAVNHL PRELIFQVWQ RSWEYWHDEQ RMSQSYVKYR YLCLMQKALF MHCKKGCRCL GEGHRAGGWR PGPPPPPPPG LA
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	Vpx Protein (VPX)
Alternative Name:	VPX (VPX Products)
Target Type:	Viral Protein
Background:	Plays a role in nuclear translocation of the viral pre-integration complex (PIC), thus is required

Target Details

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 .

Molecular Weight: 29.21 kDa

UniProt: [P11266](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

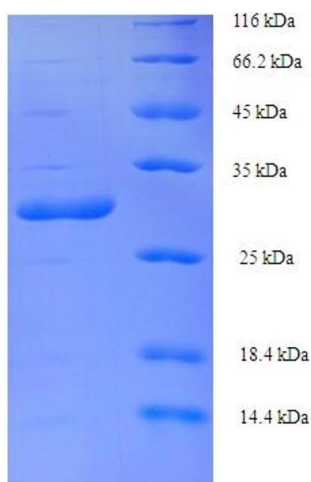
Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.