

Protein Vpx Recombinant Protein | vpx recombinant protein

Recombinant Human immunodeficiency virus type 2 subtype A Protein Vpx

CATALOG # AAA115781	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

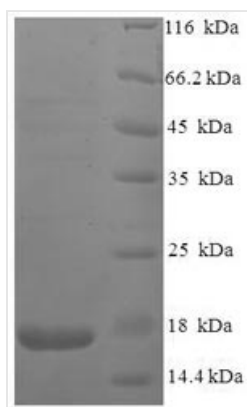
PRODUCT SYNONYMS

Protein Vpx; Recombinant Human immunodeficiency virus type 2 subtype A Protein Vpx; Viral protein X; X ORF protein; vpx recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-113aa; Full Length
Sequence	MTDPRERVPP GNSGEETIGE AFEWLERTIE ALNREAVNHL PRELIFQVWQ RSWRYWHDEQ GMSASYTKYR YLCLMQKAIF THFKRGCTCW GEDMGREGLE DQGPPPPPPP GLV
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for vpx recombinant protein

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.

References	A novel proviral clone of HIV-2 biological and phylogenetic relationship to other primate immunodeficiency viruses.Kirchhoff F., Jentsch K., Bachmann B., Stuke A., Laloux C., Lueke W., Stahl-Henning C., Schneider J., Nieselt K., Eigen M., Hunsmann G.Virology 177:305-311(1990) The human immunodeficiency virus type 2 Vpx protein usurps the CUL4A-DDB1 DCAF1 ubiquitin ligase to overcome a postentry block in macrophage infection.Bergamaschi A., Ayinde D., David A., Le Rouzic E., Morel M., Collin G., Descamps D., Damond F., Brun-Vezinet F., Nisole S., Margottin-Goguet F., Pancino G., Transy C.J. Virol. 83:4854-4860(2009) AIDS/HIV. HIV interplay with SAMHD1.Schaller T., Goujon C., Malim M.H.Science 335:1313-1314(2012) The Vpx lentiviral accessory protein targets SAMHD1 for degradation in the nucleus.Hofmann H., Logue E.C., Bloch N., Daddacha W., Polsky S.B., Schultz M.L., Kim B., Landau N.R.J. Virol. 86:12552-12560(2012)
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	9628884
NCBI GeneID	1724714
NCBI Accession #	NP_056840.1
NCBI GenBank Nucleotide #	NC_001722.1
UniProt Accession #	P18099
Molecular Weight	17.2 kDa
NCBI Official Full Name	vpx protein
NCBI Official Symbol	HIV2gp3
NCBI Protein Information	vpx protein
UniProt Protein Name	Protein Vpx
UniProt Gene Name	vpx
UniProt Entry Name	VPX_HV2BE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/vpx-recombinant-protein-e-coli/115781>