

gp120 (ADA) (HIV-1/Clade B) Recombinant Protein | gp120 recombinant protein

gp120 (ADA) (HIV-1/Clade B) (aa 34-518), monomer only

CATALOG # AAA13750	HOST Viral protein expressed and purified from 293 cell culture	APPLICATIONS Western Blot, ELISA
------------------------------	---	--

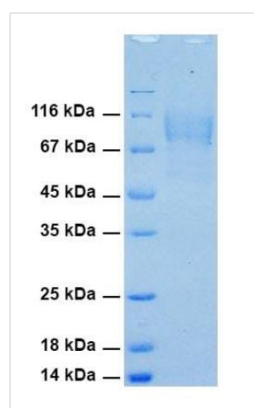
PRODUCT SYNONYMS

gp120 (ADA) (HIV-1/Clade B); gp120 (ADA) (HIV-1/Clade B) (aa 34-518); monomer only; glycosylated recombinant protein; gp120 (ADA) (Clade B); gp120 recombinant protein

PRODUCT SPECIFICATIONS

Host	Viral protein expressed and purified from 293 cell culture
Purity/Purification	>= 95% (SDS-PAGE)
Concentration	1 mg/ml in PBS (varies by lot)
Sequence	WVTVYYGVPV WKEATTTLFC ASDAKAYDTE VHNVWATHAC VPTDPNPQEV VLENTENFN MWKNNMVEQM HEDIISLWDQ SLKPCVKLTP LCVTLNCTDL RNVTNINNSS EGMRGEIKNC SFNITTSIRD KVKKDYALFY RLDVVPIDND NTSYRLINCN TSTITQSFEP IPIHYCTPAG FAILKCKDKK FNGTGPCKNV STVQCTHGIR PVVSTQLLL N GSLAEEEVVI RSSNFTDNAK NIIVQLKESV EINCTRPNNN TRKSIHIGPG RAFYTTGEII GDIRQAHNCNI SR TKWNNTLN QIATKLKEQF GNNKTIVFNQ SSGGDPEIVM HSFNCGGEFF YCNSTQLFNS TWNFNGTWNQ SNGTEGNDTI TLPCKRIQII NMWQEVGKAM YAPPIRGQIR CSSNITGLIL TRDGGTNSSG SEIFRPGGGD MRDNWRSELY KYKVVKIEPL GVAPTKAKRR VVQREKRAVG TIGAMFLGHH HHHH
Sequence Length	2562
Applicable Applications for gp120 recombinant protein	WB (Western Blot), ELISA
Application Notes	SDS-PAGE Data: Purified HIV-1 gp120 (ADA) (Clade B) protein
Endotoxin Level	<0.01 EU per 1 ug of the protein by LAL test
Viral Protein	C-terminal 6xHis tagged HIV-1 gp120 (ADA) (Clade B) protein (amino acid 34-518) (Genebank No. M60472).
Preparation and Storage	Store at -20°C. Stable for 3-months from the date of shipment when kept at 4°C. Non-hazardous. No MSDS required.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for gp120 recombinant protein	Description: 6xHis tagged HIV-1 gp120 (ADA) (Clade B) protein (amino acid 34-518) (Genebank No. M60472) Viral protein expressed and purified from 293 cell culture Introduction: Envelope glycoprotein GP120 (or gp120) is a glycoprotein exposed on the surface of the HIV envelope. The 120 in its name comes from its molecular weight of 120. Gp120 is essential for virus entry into cells as it plays a vital role in attachment to specific cell surface receptors. These receptors are DC-SIGN, Heparan Sulfate Proteoglycan and a specific interaction with the CD4 receptor, particularly on helper T-cells. Binding to CD4 induces the start of a cascade of conformational changes in gp120 and gp41 that lead to the fusion of the viral with the host cell membrane. Binding to CD4 is mainly electrostatic although there are van der Waals interactions and hydrogen bonds.
Product Categories/Family for gp120 recombinant protein	Viral Recombinant Proteins; HIV/SIV

NCBI AND UNIPROT INFORMATION

NCBI GI #	328640
NCBI Official Full Name	Human immunodeficiency virus type 1 surface envelope glycoprotein gene, complete cds
UniProt Protein Name	Envelope glycoprotein gp160
UniProt Entry Name	Q03811_9HIV1

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://stage.aaabiotech.com/gp120-ada-hiv-1/clade-b-recombinant-protein-viral-protein-expressed-and-purified-from-293-cell-culture-wb-western-blot-elisa/13750>