

gp120 (HXBc2) (HIV-1/Clade B) Recombinant Protein | gp120 recombinant protein

gp120 (HXBc2) (HIV-1/Clade B) (aa 34-518)

CATALOG #
AAA13751

APPLICATIONS
Western Blot, ELISA

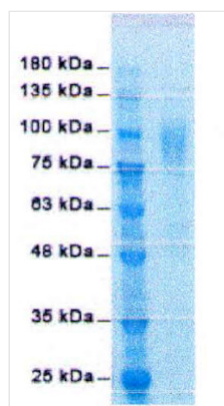
PRODUCT SYNONYMS

gp120 (HXBc2) (HIV-1/Clade B); gp120 (HXBc2) (HIV-1/Clade B) (aa 34-518); glycosylated recombinant protein; gp120 (HXBc2) (Clade B); gp120 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	≥ 95% purity (SDS PAGE).
Concentration	1 ug/ul in PBS (varies by lot)
Sequence	WVTVYYGVPV WKEATTTLFC ASDAKAYDTE VHNVWATHAC VPTDPNPQEV VLVNVTFENF MWKNDMVEQM HEDIISLWDQ SLKPCVKLTP LCVSLKCTDL KNDTNTNSSS GRMIMEKGEI KNCSFNISTS IRGKVQKEYA FFYKLDIPI DNDTTSYKLT SCNTSVITQA CPKVSFEPIP IHYCAPAGFA ILKCNNKTFN GTGPCTNVST VQCTHGIRPV VSTQLLNGS LAEEEVVIRS VNFTDNAKI IVQLNTSVEI NCTRPNNNTR KRIRIQRGPG RAFVTIGKIG NMRQAHCNIS RAKWNNTLKQ IASKLREQFG NNKTIIFKQS SGGDPEIVTH SFNCGGEFFY CNSTQLFNST WFNSTWSTEG SNNTGSDTI TLPCRIKQII NMWQKVGKAM YAPPISGQIR CSSNITGLLL TRDGGNSNNE SEIFRPGGGD MRDNWRSELY KYKVVKIEPL GVAPTKAKRR VVQREKRAVG HHHHHH
Applicable Applications for gp120 recombinant protein	WB (Western Blot), ELISA
Endotoxin Level	<0.01 EU per 1 ug of the protein by LAL test.
Preparation and Storage	Long term storage at -20°C or -70°C ; Stable for 3 months from date of receipt when kept at 4°C.

IMAGES



SDS-PAGE

SDS-PAGE: purified HIV-1 gp120 (HXBc2) (Clade B) protein

ADDITIONAL INFORMATION

Related Product Information for gp120 recombinant protein	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 #	1906382
NCBI Official Full Name	Human immunodeficiency virus type 1 (HXB2), complete genome; HIV1/HTLV-III/LAV reference genome
UniProt Protein Name	Protein Nef
UniProt Gene Name	nef
UniProt Entry Name	NEF_HV1H2

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.

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Online datasheet: <https://stage.aaabiotech.com/nef-recombinant-protein-wb-western-blot-elisa/13751>