

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

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

CATALOG #
AAA13752

APPLICATIONS
Western Blot, ELISA

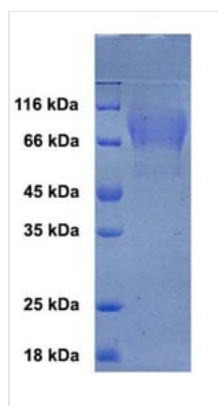
PRODUCT SYNONYMS

gp120 (JRFL) (HIV-1/Clade B); gp120 (JRFL) (HIV-1/Clade B) (aa 34-518); glycosylated recombinant protein; gp120 (JRFL) (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 VLENVTEHFN MWKNNMVEQM QEDIISLWDQ SLKPCVKLTP LCVTLNCKDV NATNTTNDSE GTMERGEIKN CSFNITTSIR DEVQKEYALF YKLDVVPIDN NNTSYRLISC DTSVITQACP KISFEPIPIH YCAPAGFAIL KCNDKTFNGK GPCKNVSTVQ CTHGIRPVVS TQLLLNGSLA EEEVIRSDN FTNNAKTIIV QLKESVEINC TRPNNNTRKS IHIGPGRAFY TTGEIIGDIR QAHCNISRAK WNDTLKQIVI KLREQFENKT IVFNHSSGGD PEIVMHSFNC GGEFFYCNST QLFNSTWNNN TEGSNNTEGN TITLPCRIKQ IINMWQEVGK AMYAPPIRGQ IRCSSNITGL LLTRDGGINE NGTEIFRPGG GDMRDNRSE LYKYKVKIE PLGVAPTKAK RRVVQREKRA VGIGAVFLGH HHHHH
Sequence Length	8896
Applicable Applications for gp120 recombinant protein	WB (Western Blot), ELISA, Immunogen
Endotoxin Level	<0.01 EU per 1 ug of the protein by LAL test
Viral Protein	6xHis tagged HIV-1 gp120 (JRFL) (Clade B) protein (amino acid 34-518) (Genebank No. U63632).
Preparation and Storage	Store at -20°C. Stable for 6-months from the date of shipment when kept at 4°C. Non-hazardous. No MSDS required.

IMAGES



Application Data

SDS-PAGE: Purified HIV-1 gp120 (JRFL) (Clade B) protein

ADDITIONAL INFORMATION

Related Product Information for gp120 recombinant protein	Description: Viral protein 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 #	1465777
NCBI Official Full Name	HIV-1 isolate JRFL (USA) gag, pol, vif, vpr, tat, rev and env genes, complete cds
UniProt Protein Name	Envelope glycoprotein gp160
UniProt Gene Name	env
UniProt Entry Name	Q75760_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/env-recombinant-protein-wb-western-blot-elisa-immunogen/13752>