

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

gp120 (MN) (HIV-1/Clade B) (aa 30-513)

CATALOG # AAA62181	HOST 293 cell culture	APPLICATIONS ELISA, Western Blot
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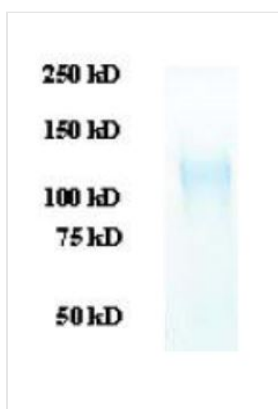
PRODUCT SYNONYMS

gp120 (MN) (HIV-1/Clade B); gp120 (MN) (HIV-1/Clade B) (aa 30-513); glycosylated recombinant protein; gp120 (HIV-1/Clade B)(isolate MN); gp120 recombinant protein

PRODUCT SPECIFICATIONS

Host	293 cell culture
Purity/Purification	≥ 95% purity (SDS-PAGE)
Concentration	1 mg/ml in PBS (varies by lot)
Applicable Applications for gp120 recombinant protein	ELISA, WB (Western Blot)
Viral Protein	C-terminal 6xHis tagged HIV-1 gp120 (isolate MN) (Clade B) protein (amino acid 30-513) (Genebank No. AF075722).
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



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for gp120 recombinant protein

Description: gp120 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3342811
NCBI Official Full Name	HIV-1 isolate MN clone E6 from the USA, envelope glycoprotein (env) gene, complete cds
UniProt Protein Name	Envelope glycoprotein gp160
UniProt Gene Name	env
UniProt Entry Name	Q9YUL5_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.

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Online datasheet: <https://www.aaabiotech.com/env-recombinant-protein-293-cell-elisa-wb-western-blot/62181>