



# Recombinant HIV type 1 (IIIB) gp120 (DAGC478)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Full length Recombinant HIV-1 IIIB gp120 glycoprotein produced in the Baculovirus Expression System. Authentic N-C termini, no tags
<b>Species</b>	HIV
<b>Purity</b>	This protein is purified by immune-affinity chromatography to >95% purity as determined by SDS-PAGE, reduced.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	In-Vitro Diagnostics, T-Cell Activation, CD4 Binding, Immunization, Antibody screen
<b>Bio-activity</b>	This protein binds to human T-cell receptor CD4 in ELISA and Western ELISA as determined by CD4/gp120/Anti-gp120 mAb-peroxidase capture ELISA. This protein activates human T-Lymphocytes (CD4+, CD4-), in vitro, as measured by RNA synthesis during G0 to G1 transition phase of antigen-binding competent Cells.
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	Store at -75°C.

## BACKGROUND

**Introduction**

gp120 - HIV-1 virus envelope protein- is derived from gp120 and gp41 components of envelope gp160. gp120 (481 amino acids) name comes from it's molecular weight - 120 kDa. gp120 is essential for entry into cells as it plays a vital role in the infection process. Full length gp120 is a highly glycosylated and modified protein composed of roughly 55% amino acids and 50% carbohydrates by weight.

**Keywords**

HIV type 1 gp120; Human Immunodeficiency Virus-1 gp120; HIV-1 gp120; Envelope glycoprotein GP120; gp120; HIV; HIV-1