

Active Recombinant HIV-1 gp120

Cat. No. gp120-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 gp120 was expressed in E. coli.
Species	HIV
Source	E.coli
ProteinLength	30 to 110
Description	HIV1 is equipped with the envelope gp160 glycoprotein for interaction with Langerhans cells (LCs) and dendritic cells (DCs), the members of the innate immune system, which confront the virus at the portal of virus entry in the human body. These cells are equipped with receptors by which they bind and endocytose the virus. The gp120 glycoprotein is used for binding to CD4 receptor and CCR5 co-receptor of T helper 2 (Th2) cells, and is able to induce FcepsilonRI(+) hematopoietic cells to produce IL4, which inactivates the host adaptive immune response.
Form	Liquid. 8M Urea, 100mM Sodium phosphate, 10mM Tris HCl, pH 4.5.
Bio-activity	The protein is immunoreactive with all sera of HIV1 infected individuals.
Purity	Purity is greater than 95.0% as determined by RP-HPLC and SDS-PAGE.
Applications	Western blot; ELISA
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze /

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thaw cycles. This product is an active protein and may elicit a biological response in vivo, handle with caution.

Concentration	100 g at 1 mg/ml
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