



# Recombinant HIV type 1 Glycoprotein 120 (v3 loop region) (DAG2772)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Human Immunodeficiency Virus Type 1 (HIV-1), gp120 (v3 loop region). Contains HIV-1 subtype C V3 loop regions from gp120 protein. Contains a GST fusion partner. Immunoreactive with HIV-1 positive human sera. Molecular weight is 35.7 kDa.
<b>Species</b>	HIV
<b>Purity</b>	> 90% pure (10% PAGE, Coomassie staining). GS-4B purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	3.5 mg/ml
<b>Buffer</b>	50mM Tris-HCl, pH 8.0, 60mM Sodium chloride, 10mM Glutathione, 50% glycerol
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	The human immunodeficiency virus (HIV) is a lentivirus (slowly replicating retrovirus) that causes the acquired immunodeficiency syndrome (AIDS), a condition in humans in which progressive failure of the immune system allows life-threatening opportunistic infections and
---------------------	--

cancers to thrive. Without treatment, average survival time after infection with HIV is estimated to be 9 to 11 years, depending on the HIV subtype. Infection with HIV occurs by the transfer of blood, semen, vaginal fluid, pre-ejaculate, or breast milk. Within these bodily fluids, HIV is present as both free virus particles and virus within infected immune cells.

---

**Keywords** Glycoprotein 120; gp120; SU; Surface protein; HIV1 gp120; Human Immunodeficiency Virus 1 gp120

---