

## Product datasheet

# Recombinant HIV-1 gp120 (Du172.17 protein ab167715

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### Overview

<b>Product name</b>	Recombinant HIV-1 gp120 (Du172.17 protein
<b>Protein length</b>	Full length protein

### Description

<b>Nature</b>	Recombinant
<b>Source</b>	HEK 293 cells
<b>Amino Acid Sequence</b>	
<b>Sequence</b>	The predicted N-terminus is Thr27.
<b>Molecular weight</b>	54 kDa including tags
<b>Amino acids</b>	27 to 498
<b>Tags</b>	His tag C-Terminus

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab167715** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Endotoxin level</b>	< 1.000 Eu/μg
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Form</b>	Lyophilised

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  pH: 7.40 Constituent: 99% PBS Note: Normally Mannitol or Trehalose are added as protectants before lyophilization
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in 10μl sterile deionized water to a final

concentration of 1mg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long term storage.

## General Info

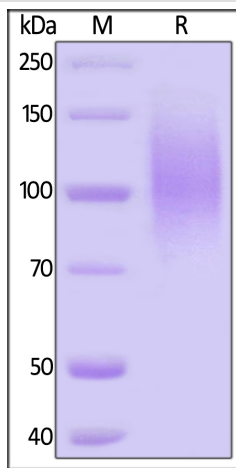
### Relevance

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.

### Cellular localization

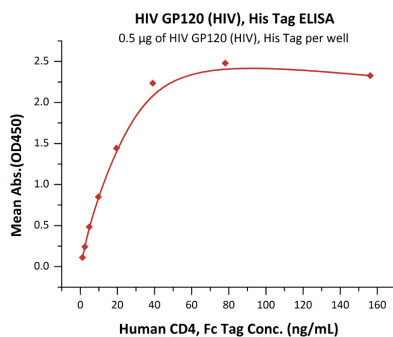
Cell Membrane

## Images



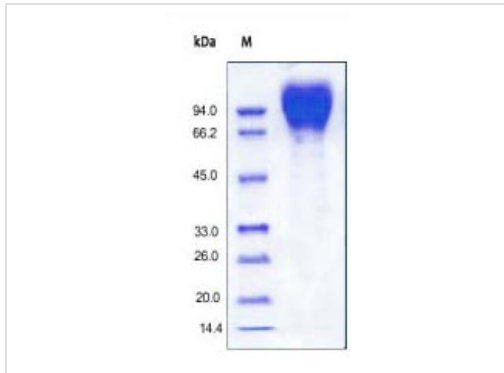
SDS-PAGE of reduced ab167715 stained overnight with Coomassie Blue.

SDS-PAGE - Recombinant HIV-1 gp120 (Du172.17 protein (ab167715))



Immobilized ab167715 at 5 µg/mL (100 µL/well) can bind Human CD4, Fc Tag with a linear range of 1-39 ng/mL.

Biological activity - Recombinant HIV-1 gp120 (Du172.17 protein (ab167715))



SDS-PAGE - Recombinant HIV-1 gp120 (Du172.17 protein (ab167715)

SDS-PAGE of reduced ab167715 stained overnight with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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