# Recombinant HIV1 gp120 + gp41 protein ab68127

## Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Recombinant HIV1 gp120 + gp41 protein</th>
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</thead>
<tbody>
<tr>
<td><strong>Protein length</strong></td>
<td>Protein fragment</td>
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</tbody>
</table>

## Description

<table>
<thead>
<tr>
<th><strong>Nature</strong></th>
<th>Recombinant</th>
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</thead>
<tbody>
<tr>
<td><strong>Source</strong></td>
<td>Escherichia coli</td>
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</tbody>
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**Amino Acid Sequence**

**Additional sequence information**

HIV-1 gp41-gp120 is a non-glycosylated polypeptide chain fused to 6xHis Tag

## Specifications

Our [Abpromise guarantee](#) covers the use of ab68127 in the following tested applications.

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

**Biological activity**

ab68127 is immunoreactive with all sera of HIV1 and HIV-type O infected individuals and with 60-80% of HIV2 infected individuals.

**Applications**

- Western blot
- ELISA
- SDS-PAGE

**Purity**

> 95% SDS-PAGE.

**Form**

Liquid

**Additional notes**

ab68127 is immunoreactive with all sera of HIV-I infected individuals.

## Preparation and Storage

**Stability and Storage**

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

- pH: 8.00
- Preservative: 1.02% Imidazole
- Constituents: 0.87% Sodium chloride, 50% Glycerol, 0.41% Sodium phosphate
Relevance

gp41/120 is the major HIV protein associated with the HIV envelope. It functions as the viral antireceptor or attachment protein. gp41 (or TM) traverses the envelope, whereas gp120 is present on the outer surface and is noncovalently attached to gp41. The precursor of gp120/41 (gp160) is synthesized in the endoplasmic reticulum and is transported via the golgi body to the cell surface. Upon activation of the envelope glycoprotein (gp120/41) by cellular receptors, gp41 undergoes conformational changes that mediate fusion of the viral and cellular membranes.

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

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- We investigate all quality concerns to ensure our products perform to the highest standards

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