# Recombinant HIV1 p24 protein ab43037

## Description

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant HIV1 p24 protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological activity</td>
<td>Immunoreactive with all sera of HIV1 infected individuals.</td>
</tr>
<tr>
<td>Purity</td>
<td>&gt; 95 % SDS-PAGE. Organic extraction &gt; S-Sepharose &gt; S-300.</td>
</tr>
<tr>
<td>Expression system</td>
<td>Escherichia coli</td>
</tr>
<tr>
<td>Protein length</td>
<td>Full length protein</td>
</tr>
<tr>
<td>Animal free</td>
<td>No</td>
</tr>
<tr>
<td>Nature</td>
<td>Recombinant</td>
</tr>
<tr>
<td>Predicted molecular weight</td>
<td>26 kDa</td>
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</tbody>
</table>

## Specifications

Our Abpromise guarantee covers the use of ab43037 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

### Applications

- ELISA
- Western blot

### Form

- Liquid

### Additional notes

Immunoreactive with all sera of HIV1 infected individuals.

## Preparation and Storage

<table>
<thead>
<tr>
<th>Stability and Storage</th>
<th>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>pH: 7.20</td>
</tr>
<tr>
<td></td>
<td>Constituents: 48% Urea, 0.605% Tris</td>
</tr>
</tbody>
</table>

## General Info

### Relevance

HIV1 performs highly complex orchestrated tasks during the assembly, budding, maturation and infection stages of the viral replication cycle. During viral assembly, the proteins form membrane associations and self-associations that ultimately result in budding of an immature virion from the
infected cell. Gag precursors also function during viral assembly to selectively bind and package two plus strands of genomic RNA. Capsid protein p24 probably forms the conical core of the virus that encapsulates the genomic RNA-nucleocapsid complex.

**Cellular localization**

Membrane

**Images**

[Image of SDS-PAGE - Recombinant HIV1 p24 protein (ab43037)]

**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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