# Recombinant HIV1 Protease protein ab84117

## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant HIV Protease protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein length</td>
<td>Full length protein</td>
</tr>
</tbody>
</table>

## Description

<table>
<thead>
<tr>
<th>Nature</th>
<th>Recombinant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Escherichia coli</td>
</tr>
</tbody>
</table>

### Amino Acid Sequence

**Sequence**

```
PQITLWQRPL VTIKIGGQLK EALLDTGADD
TVLEEMSLPG RWKPKMIGGI GGFIKVRQYD
QILIEICGHK AIGTVLVGPT PVNIIGRNLL TQIGCTLNF
```

<table>
<thead>
<tr>
<th>Molecular weight</th>
<th>12 kDa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amino acids</td>
<td>1 to 99</td>
</tr>
<tr>
<td>Tags</td>
<td>His tag C-Terminus</td>
</tr>
</tbody>
</table>

## Specifications

Our **Abpromise guarantee** covers the use of **ab84117** in the following tested applications.

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

### Biological activity

One unit of HIV Protease hydrolyzes 1 picomole of a peptide (SQNYPIVQ) per minute at pH 4.7 at 25°C. 20-200 ng is sufficient for an in vitro protease assay. HIV Protease can be applied in in vitro assay development and screening of protease inhibitors.

### Applications

- SDS-PAGE
- Functional Studies

### Purity

> 95% SDS-PAGE.

Purified by an affinity chromatography in combination with FPLC chromatography

### Form

Liquid

### Preparation and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

### Stability and Storage

- Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
pH: 8.00
Constituents: 3.75% Potassium chloride, 0.0154% DTT, 0.316% Tris HCl, 0.00584% EDTA, 20% Glycerol

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

General Info

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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