

Product datasheet

Recombinant HIV1 Protease protein ab124858

Overview

Product name	Recombinant HIV1 Protease protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Sequence	PQITLWQRPL VTIKIGGQLK EALLDTGADD TVLEEMNLPG RWKPKMIGGI GGFIVRQYD QILIEICGHK AIGTVLVGPT PVNIIGRNLL TQIGCTLNF
Molecular weight	22 kDa
Amino acids	1 to 99
Additional sequence information	HIV-1 protease is an active homodimer having a molecular mass of 21.6kDa (each monomer of 99 amino acids is 10.8kDa).

Specifications

Our [Abpromise guarantee](#) covers the use of **ab124858** in the following tested applications.

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

Biological activity	$K_m=15.1\mu\text{M}$, $K_{cat} = 30\text{s}^{-1}$, $K_{cat}/K_m= 1981 \text{ mM}^{-1}\text{s}^{-1}$ with peptide substrate KARVF(NO ₂)VRKA (F(NO ₂) ... p-nitrophenylalanine).
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Form	Liquid
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Additional notes	$K_m=15.1\mu\text{M}$, $K_{cat} = 30\text{s}^{-1}$, $K_{cat}/K_m= 1981 \text{ mM}^{-1}\text{s}^{-1}$ with peptide substrate KARVF(NO ₂)VRKA (F(NO ₂) ... p-nitrophenylalanine).
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Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. pH: 5.00 Constituents: 0.01% DTT, 0.03% EDTA, 10% Glycerol, 1.17% Sodium chloride
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General Info

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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