

Product datasheet

Recombinant HIV1 p24 protein ab127888

1 Image

Description

Product name	Recombinant HIV1 p24 protein
Purity	> 90 % SDS-PAGE. ab127888 is highly purified by several steps of chromatography.
Expression system	Escherichia coli
Accession	<u>P12497</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	HIV-1
Sequence	<p>PIVQNLQG QMVHQAI SPR TLNAWVKVVE EKAFSPEVIP MFSALSEGAT PQDLN TMLNT VGGHQAAMQM LKETINEEAA EWDRLHPVHA GPIAPGQMRE PRGSDIAGTT STLQEQIGWM THNPPIPVGE IYKRWILGL NKIVRMYSPT SILDIRQGPK EPFRDYVDRF YKTLRAEQAS QEVKNWMTET LLVQANPDC KTILKALGPG ATLEEMMTAC QGVGGPGHKA RVL</p>
Predicted molecular weight	24 kDa
Amino acids	133 to 363

Specifications

Our **Abpromise guarantee** covers the use of **ab127888** in the following tested applications.

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

Applications	<ul style="list-style-type: none"> Western blot ELISA Functional Studies SDS-PAGE
Form	Liquid
Additional notes	<p>Additional Application Information</p> <ol style="list-style-type: none"> 1. In Western Blotting as a standard for p24 2. In ELISA assay as a standard in titration of p24 antigen

3. It can be used in the studies of structure and function of HIV-1 virus as it constitutes HIV-1 core as a capsid protein since it is soluble under physiological conditions.
4. In SDS-Page as a p24 marker

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C.

pH: 6.5

Constituents: 0.078% Beta mercaptoethanol, 0.32% Tris HCl, 50% Glycerol (glycerin, glycerine), 0.29% Sodium chloride

General Info

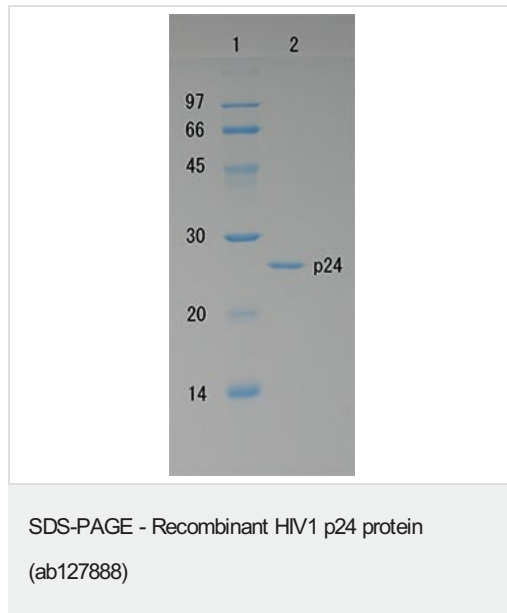
Relevance

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



SDS-PAGE analysis of ab127888.

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

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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors