

Product datasheet

Recombinant HIV1 p55 protein ab63995

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Description

Product name	Recombinant HIV1 p55 protein
Purity	> 90 % SDS-PAGE. Purified by several steps of chromatography
Expression system	Escherichia coli
Accession	<u>AAK08483.1</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant

Specifications

Our **Abpromise guarantee** covers the use of **ab63995** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid
Additional notes	ab63995 has been derived from infectious plasmid clone pNL4-3 and belongs to Group B of HIV-1. Active as HIV-1 protease substrate

Preparation and Storage

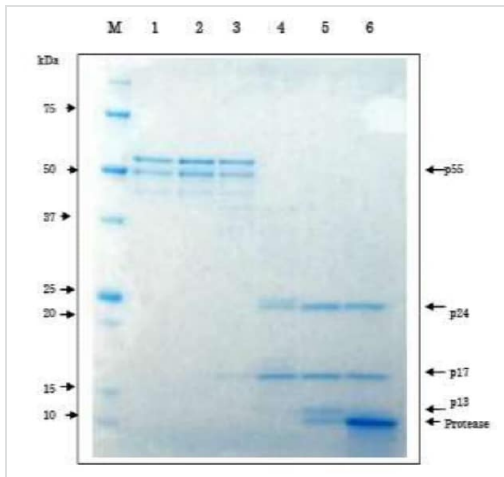
Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 6 Constituents: 0.078% Beta mercaptoethanol, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.29% Sodium chloride
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General Info

Relevance	HIV1 (gag) p55 is a precursor protein of several proteins that form the core structure of AIDS
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virus, indispensable to its reproduction. This protein is digested by HIV1 protease, first into intermediate products p41 and p15. Then p41 is digested into matrix protein p17 and capsid protein p24. Protein p15 is further digested into nucleocapsid protein p7 and to p6 and p1; of unknown function. Nine genes are encoded within the HIV1 RNA genome. Three of these genes, gag, pol, and env, contain information needed to make the structural proteins for new virus particles.

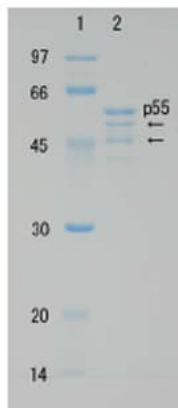
Images



SDS-PAGE - Recombinant HIV1 p55 protein
(ab63995)

SDS-PAGE analysis of Recombinant HIV1 p55 protein. As the substrate, Recombinant HIV1 p55 protein (1 µg, ab63995) was used in 20 µl reaction volume. The reaction was carried by incubating at 37°C for 3 h and stopped by adding SDS-PAGE sample buffer. Lane 1: no protease, Lane 2: 0.16 pg, Lane 3: 1.6 pg, Lane 4: 16 pg, Lane 5: 0.16 µg, Lane 6: 1.6 µg protease.

Note that two degradation bands are observed in the preparation of p55 substrate. In lane 4, p25 band is visible and in lane 5, p13 band is visible.



SDS-PAGE - Recombinant HIV1 p55 protein
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Polyacrylamide gel electrophoresis of ab63995.
The arrows show degradation products.

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

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