

## 32-5585: Recombinant HIV-1 Protease

### Description

Source : Escherichia Coli. HIV-1 protease is an active homodimer having a molecular mass of 21.6kDa (each monomer of 99 amino acids is 10.8kDa). HIV-1 protease is very significant in the life cycle of the HIV virus. It is expressed in the infected cells as a part of Gag-Pol polyprotein from which it is auto-catalytically released after formation of an immature viral particle. The enzyme subsequently cleaves the other parts of viral polyproteins resulting in the maturation of the virus. In HIV-infected patients the enzyme is subjected to intensive mutagenesis and mutants resistant to applied medicines are produced as a result of the selection pressure.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95% as determined by densitometric image analysis.
<b>Content :</b>	The HIV-1 Protease filtered (0.4µm) solution (0.27mg/1ml) is formulated in 20mM Tris, 20mM MES, 200mM NaCl, 1mM EDTA, 10% (v/v) glycerol and 0.05% 2-mercaptoethanol, pH 6.5.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.
<b>Amino Acid :</b>	PQITLWQRPL VTIKIGGQLK EALLDTGADD TVLEEMNLPG RWKPKMIGGI GGFIVRQYD QILIEICGHK AIGTVLVGPT PVNIIGRNLL TQIGCTLNF.

