

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

Amount :	10 µg
Purification :	Greater than 95% as determined by densitometric image analysis.
Content :	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.
Storage condition :	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.
Amino Acid :	PQITLWQRPL VTIKIGGQLK EALLDTGADD TVLEEMNLPG RWKPKMIGGI GGFIVRQYD QILIEICGHK AIGTVLVGPT PVNIIGRNLL TQIGCTLNF.