

Active HIV1 Protease recombinant protein (GST-tagged)

HIV-1 retropepsin, HIV-1 Protease (PR), cd05482

Catalog # PBV11408r

Specification

Active HIV1 Protease recombinant protein (GST-tagged) - Product info

Primary Accession [Q9YQ30](#)
Concentration 3
Calculated MW 38.4 kDa (1-99 aa + N-terminal GST and C-terminal Poly-his tags). It runs at ~31 kDa during SEC and SDS-PAGE analyses. KDa

Active HIV1 Protease recombinant protein (GST-tagged) - Additional Info

Gene Symbol HIV1 protease
Other Names HIV-1 retropepsin, HIV-1 Protease (PR), cd05482
Gene Source HIV1
Source E. coli
Assay&Purity SDS-PAGE; ≥90%
Assay2&Purity2 HPLC;
Recombinant Yes
Sequence 1-99 aa + N-terminal GST and C-terminal Poly-his tags

Target/Specificity

HIV1 Protease

Format

Liquid

Storage

-80°C; 3 mg/ml in 50 mM Sodium acetate, 100 mM NaCl, 5 mM DTT, 5 mM EDTA, pH 5.0 containing 10% glycerol

Active HIV1 Protease recombinant protein (GST-tagged) - Background

HIV-1 protease is a retroviral aspartyl protease (retropepsin) that is essential for the life-cycle of HIV. HIV protease cleaves newly synthesized viral polyproteins at the appropriate places into functional protein products as mature protein components of an infectious HIV virion. The mutation of HIV protease's active site or inhibition of its activity disrupts HIV's ability to replicate and infect additional cells.

Active HIV1 Protease recombinant protein (GST-tagged) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)