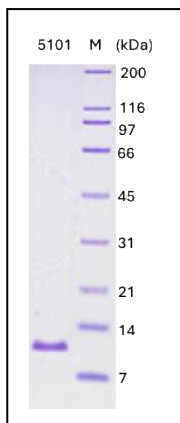


Recombinant HIV-1 Protease

Catalog Number	Size
AG5101-10	10ug
AG5101-25	25ug
AG5101-B	Bulk

Description



The recombinant HIV-1 protease protein was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 109 (99+10) amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 11kDa.

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MAPQITLWQR PLVTIKIGGQ LKEALLDTGA DDTVLEEMSL
PGRWKPKMIG GIGGFIKVRQ YDQILIEICG HKAIGTVLVG
PTPVNIIGRN LLTQIGCTLN FGGHHHHHH*
```

Accession Number

AF459156

Molecular Mass

Approximately 11kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

HIV-1 protease plays an essential role in the life cycle of HIV. The inhibition of HIV-1 protease are very effective antiviral drugs that can significantly prolong the life of patients with AIDS. The recombinant and active HIV-1 protease can be used for the studies of HIV protease mutations, screening protease inhibitors (PIs) and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. **(Avoid repeated freeze-thaw cycle)**

FOR RESEARCH USE ONLY!!!