

PRODUCT DATA SHEET

HIV-2 Protease E.coli

Cat. No.: RH2P0001

Size: 0.1 mg

Source: E. coli

Type: Active protein

Species: Human Immunodeficiency Virus 2

Other Names:

Description:

Total 99 AA. MW: 10.7 kDa (monomer), protein active as dimer

Amino Acid Sequence:

PQFSLWKRVP VTAHIEGQPV EVLLDTGADD SIVAGIELGS NYSPKIVGGI GGFINTKEYK
NVEIEVLNKR VRATIMTGDT PINIFGRNIL ASLGMSLNL

Purity:

Purity as determined by densitometric image analysis: >90%

Formulation:

20 mM Tris, 20 mM MES, 200 mM NaCl, 10% glycerol, 1 mM EDTA, 0.5 mM DTT, 0.05% PEG 8000, pH 7.0 – filtered (0.4 µm), frozen

Reconstitution:

Defrost at ambient temperature.

Shipping:

On ice. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store protein at -80°C. Protein remains stable until the expiry date when stored at -80°C. Avoid repeated freezing/thawing cycles.

Quality Control:

SDS PAGE to determine purity of the protein.
Active site titration by tightly binding inhibitor.

Applications:

Crystallography, Inhibitor screening, Kinetic studies

Note:

$K_m = 740 \mu\text{M}$ $K_{cat} = 3 \text{ s}^{-1}$ $K_{cat}/K_m = 4.1 \text{ mM}^{-1} \text{ s}^{-1}$ with peptide substrate
ATLNFPISPW