

## 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