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## Product Datasheet

### HIV-1 Protease Protein BYT-ORB168499

Article Name	HIV-1 Protease Protein
Biozol Catalog Number	BYT-ORB168499
Supplier Catalog Number	orb168499
Alternative Catalog Number	BYT-ORB168499-2,BYT-ORB168499-10,BYT-ORB168499-1
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant of HIV-1 Protease protein...
Buffer	The HIV-1 Protease filtered (0.4µm) solution is formulated in 20mM Tris, 20mM MES, 200mM NaCl, 1mM EDTA, 10% (v/v) glycerol and 0.05% 2-mercaptoethanol, pH 6.5.
Purity	Greater than 95.0% as determined by SDS-PAGE.
Form	Sterile filtered colorless clear solution.
Sequence	PQITLWQRPL VTIKIGGQLK EALLDTGADD TVLEEMNLPG RWKPKMIGGI GGFIKVRQYD QILIEICGHK AIGTVLVGPT PVNIIGRNLL TQIGCTLNF
Application Notes	Kinetic parameters: Km=15.1µM, Kcat = 30s <sup>-1</sup> , Kcat/Km= 1981 mM <sup>-1</sup> s <sup>-1</sup> with peptide substrate KARVF (NO <sub>2</sub> )VRKA (F(NO <sub>2</sub> ) ... p-nitrophenylalanine)