重组人蛋白

HRV-3C Protease (GST Tag)

目录号 Catalog Number	552105
种属 Species	Human
表达系统 Expression System	E.coli
分子量 Molecular Weight	Predictes a molecular mass of 46.28 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 46 kDa band.

产品信息

性状 Form	液体 Liquid
组分 Formulation	Sterile liquid solution contains 25 mM Tris-HCl, 200 mM NaCl, 1 mM DTT, 50% Glycerol, pH 8.0.
纯度 Purity	>95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	5U/μL. One unit (1 U) is defined as the amount of enzyme required to cleave 95% of 100 μg fusion protein in 25 mM Tris-HCl buffer (pH 8.0) within 12–16 h at 4 °C.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 1-182 aa were fused with N-terminal GST tag.

保存与运输

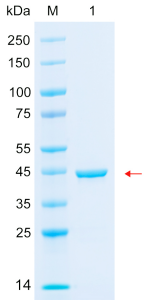
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

功能描述

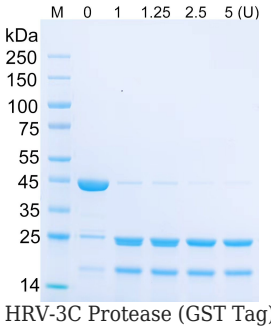
研究背景 Background	HRV 3C Protease (Human Rhinovirus 3C Protease) refers to the 3C protease of Human Rhinovirus (HRV), which recognizes and cleaves the specific amino-acid sequence: Leu-Glu-Val-Leu-Phe-Gln↓Gly-Pro (where "↓" indicates the cleavage site). This recombinant HRV-3C protease has a molecular weight of approximately 46 kDa and carries an N-terminal GST tag. HRV 3C protease exhibits activity across a wide range of pH values, ionic strengths and temperatures. It retains high activity even at 0 °C, making it an ideal choice for temperature-sensitive proteins.

验证数据

SDS-PAGE



HRV-3C Protease (GST Tag) SDS-PAGE
M: Markerl; Lane 1: HRV-3C Protease (GST Tag)



HRV-3C Protease (GST Tag) Activity Assay