

PreScission Protease

Product Specifications

Catalog Number	Specification
MC01050	50U
MC01250	250U
MC01500	500U

Definition of Enzyme Activity

1U was meant the required enzyme dosage that more than 95% target protein have been digested after reacting 16h at 4°C.

Product Introduction

The PreScission Protease (HRV 3C Protease) produced by GeneUniversal Inc. was a human rhinovirus type 14 3C protease expressed in *E. coli* with GST tag, it could recognize specifically octapeptide sequence Leu-Glu-Val-Leu-Phe-Gln-Gly-Pro or core pentapeptide sequence Leu-Phe-Gln-Gly-Pro at low temperature (4°C), and digested between glutamine and glycine. It was often used for removing affinity tag, such as Glutathione S-transferase (GST) tag, 6×His tag or other affinity tag.

Storage Condition

It could be preserved for 2 years at -80°C, and it could be preserved for 6 months at -20°C. Suggest to subpackage into small volume yourself, and avoid repeated freeze-thaw cycles.

Operation Method

1. Made up the follow reaction system in EP tube:

Fusion protein	1mg
Prescission Protease	10U

2. Mixed up and then incubated at suitable temperature, suggest reaction at 4°C overnight.

3. Analyzed by SDS-PAGE after reaction, and Prescission Protein could be removed by GST tag affinity chromatography.

Notes

1. In order to achieve better digestion effect, please make sure that the target protein was high-purity .

2. The product was only used in scientific research by professional.

3. GST tag was fused in the PreScission Protease, the characteristic of the PreScission Protease was especially applicable for digestion in purification column.

4. ZnCl₂、 AEBSF and Chymostatin could inhibit the activity of the PreScission Protease.