

**proteon**On the bow of top biotechnology

Datasheet, Version 2/2016

Catalog #	2189	0.3
Synonyms	Prescission, HRV-3C	66 = 1ml 1h 3h 23h 1pe 1h 3h 23h 3h(5pe)
Type	Recombinant	40- 1pt 11 01 051 1pt -
Source	E. coli	40-
Species	Human Rhinovirus	26-
Tag	His6	
Form	Liquid	
Purity	>95% by SDS PAGE	
Shipping	Ice pack	

#### Introduction

Pro3C (HRV-3C, Prescission) protease is a genetically modified sequence-specific cysteine protease from Human Rhinovirus 3C (HRV3C). Due to its high sequence specificity it is frequently used for the cleavage of fusion proteins and removal of tags from recombinant proteins in vitro and in vivo.

## **Description**

This recombinant protease is genetically improved version of the human rhinovirus 3C. It contains His6 tag located at the N-terminus of the protein, which allows it to be immobilized on Ni-based affinity resins and removed from the cleavage reaction. It is active over a wide range of temperatures (4-34C). The optimum is 30C, however, it is active at 4C as well for temperature sensitive targets. The preferred recognition sequence is Leu-Glu-Val-Leu-Phe-Gln|Gly-Pro (LEVLFQ|GP). Please use our 3C substrate #1409 or FRET substrate as a positive control.

## **Application**

Cleavage of affinity tags from fusion proteins after protein purification. Cleaves fusion proteins directly in solution or immobilized on affinity resins. The enzymes supplied by Protean Ltd. are manufactured in certified environment under ISO 9001 and ISO 13485 international standards, which fully qualifies them for a use in downstream GMP certified processes.

#### **Purification method**

Affinity chromatography

#### **Formulation**

50 mM Tris pH 7.0, 150 mM NaCl, 1 mM EDTA, 1mM DTT, 50% glycerol

## **Specificity**

Highly specific and active for its eight-amino acid sequence with minimal off-target effects. The activity depends on the type of target protein. The optimal amount of enzyme should be tested for each target protein.

### **Storage**

-20C, do not store at -80C

Protean s.r.o. Pod Lesem 9 373 16 Dobra Voda u CB The Czech Republic



# Analyte specific reagent (ASR) manufactured under ISO 13485. Country of origin: Czech Republic