

proteon
Forefront of Biotechnology

Datasheet, Version 2/2016

Catalog # 2614

Synonyms Prescission fluorescent

substrate

Type Recombinant

Source E. coli

Species Human

Tag His6

Form Liquid

Purity >95% by SDS PAGE

Shipping Ice pack



#### Introduction

Substrate protein for quantitative determination and monitoring of human rhinovirus 3C (HRV-3C, Prescission) protease specific activity based on fluorescent energy transfer (FRET). Suitable for high-throughput applications.

### **Description**

The 60 kDa FRET substrate protein is composed by two fluorescent proteins linked with Caspase-3 recognition sequence LEVLFQ|GP. The substrate is specifically cleaved to fluorescent monomers, which results in quantitative decrease of fluorescent intensity at 580-650 nm (emission). The excitation range of the substrate is 490-515 nm.

# **Application**

Protease activity control and monitoring. High-throughput screening of Prescission (HRV-3C) protease variants. This substrate is manufactured in certified laboratory environment and could be used in GMP certified downstream processes.

## **Purification method**

Affinity chromatography, size exclusion chromatography, desalting.

#### **Formulation**

0.5 mg/ml, 10mM Tris pH7,5, 50mM KCl

#### **Specificity**

HRV-3C protease recognition sequence.

## **Storage**

-80C, aliquot to avoid repeated freezing and thawing.

Analyte specific reagent (ASR) manufactured under ISO 13485.

Country of origin: Czech Republic

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