



# FRET HRV-3C substrate

Datasheet, Version 2/2016

protean

On the bow of top biotechnology

Catalog #	2614
Synonyms	Precision 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, Precision) 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 Precision (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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ISO 9001 & ISO 13485  
CERTIFIED



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