

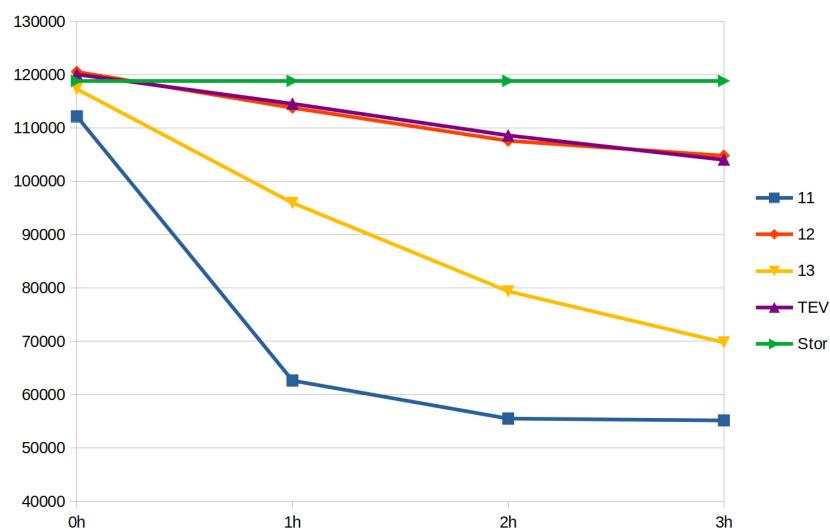


# FRET TEV protease substrate

Datasheet, Version 2/2016

**protean**  
Forefront of Biotechnology

Catalog #	2586
Synonyms	TEV fluorescent substrate
Type	Recombinant
Source	E. coli
Species	Tobacco etch virus
Tag	His6
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Ice pack



## Introduction

Substrate protein for quantitative determination and monitoring of TEV protease specific activity based on fluorescent energy transfer (FRET).

## Description

The 60 kDa FRET substrate protein is composed by two fluorescent proteins linked with TEV protease recognition sequence ENLYFQ|SG. 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. Various TEV isolates (0.1 ug/ul) were incubated for indicated times with the FRET substrate (0.1 ug/ul) at 30C (picture on right).

## Application

Protease activity control and monitoring. High-throughput screening of TEV 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

TEV 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**