



# Endolysin F1- domain

Datasheet, Version 2/2016

protean

On the bow of top biotechnology

Catalog #	1536
Synonyms	Endolysin $\Phi$ 812
Type	Recombinant
Source	E. coli
Species	Bacteriophage $\Phi$ 812
Tag	His6
Form	Liquid

Purity	>96% by SDS-PAGE
Shipping	Ice pack

## Introduction

Endolysins are hydrolytic enzymes produced by bacteriophages in order to cleave the host's cell wall during the final stage of the lytic cycle. They are highly evolved enzymes able to cleave peptidoglycan (murein), the main component of bacterial cell wall, which allows the release of progeny virions from the lysed cell. They are highly species specific, leaving non-target bacteria intact.

## Description

Recombinant F1 fragment of phage  $\Phi$ 812

## Application

Anti-Staphylococcus aureus activities, Turbidity-reduction assay, plaque assay, various anti-pathogen studies

## Purification method

Affinity chromatography

## Formulation

50mM Tris pH 7,5; 150 mM NaCl, 1 mM EDTA; 5 mM DTT, 50% glycerol, may contain traces of imidazol

## Specificity

Specifically cleave peptidoglycan in Staphylococcus aureus cell wall leading to cell lysis.

## Storage

-80C

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

