



Endolysin F1-domain

Datasheet, Version 2/2016

protean

On the bow of top biotechnology

Catalog #	1536
Synonyms	Endolysin 812
Type	Recombinant
Source	E. coli
Species	Bacteriophage 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 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.

