Endolysin F1-domain

Datasheet, Version 2/2016

protean
Forefront of Biotechnology

Catalog #	1536
Synonyms	Endolysin Φ812
Type	Recombinant
Source	E. coli
Species	Bacteriofhage Φ812
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 Φ812

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

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