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| Catalog # | 1519 |
| Synonyms | Endolysin ϕ 812 catalytic domain |
| Type | Recombinant |
| Source | E. coli |
| Species | Bacteriophage ϕ 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 CHAP fragment of phage ϕ 812 catalytic domain

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 cell wall leading to cell lysis.

Storage

-80C

For research use only. Not for use in diagnostic procedures.