



Datasheet, Version 2/2016

Catalog # 1519

Synonyms Endolysin Φ812 catalytic domain

Type Recombinant

Source E. coli

Species Bacteriofhage  $\Phi 812$ 

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 CHAP fragment of phage Φ812 catalytic domain

# **Application**

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

# **Purification method**

Affinity chromatography

#### **Formulation**

50 mM 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, aliquot to avoid repeated freezing and thawing.

Analyte specific reagent (ASR) manufactured under ISO 13485.

Country of origin: Czech Republic

