

peptidoglycan-N-acetylglucosamine deacetylase

Cat. No. EXWM-4383

Lot. No. (See product label)

Introduction

Description

Modification of peptidoglycan by N-deacetylation is an important factor in virulence of *Helicobacter pylori*, *Listeria monocytogenes* and *Streptococcus suis*. The enzyme from *Streptococcus pneumoniae* is a metalloenzyme using a His-His-Asp zinc-binding triad with a nearby aspartic acid and histidine acting as the catalytic base and acid, respectively.

Synonyms

HP310; PgdA; SpPgdA; BC1960; peptidoglycan deacetylase; N-acetylglucosamine deacetylase; peptidoglycan GlcNAc deacetylase; peptidoglycan N-acetylglucosamine deacetylase; PG N-deacetylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.5.1.104

Reaction

peptidoglycan-N-acetyl-D-glucosamine + H₂O = peptidoglycan-D-glucosamine + acetate

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.