

## 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 + H<sub>2</sub>O = 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.