

## N-acetyl-1-D-myo-inositol-2-amino-2-deoxy- $\alpha$ -D-glucopyranoside deacetylase

Cat. No. EXWM-4382

Lot. No. (See product label)

### Introduction

**Description** This enzyme is considered the key enzyme and rate limiting step in the mycothiol biosynthesis pathway. In addition to acetylase activity, the enzyme possesses weak activity of EC 3.5.1.115, mycothiol S-conjugate amidase, and shares sequence similarity with that enzyme. The enzyme requires a divalent transition metal ion for activity, believed to be Zn<sup>2+</sup>.

**Synonyms** MshB

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.5.1.103

**Reaction** 1-O-(2-acetamido-2-deoxy- $\alpha$ -D-glucopyranosyl)-1D-myo-inositol + H<sub>2</sub>O = 1-O-(2-amino-2-deoxy- $\alpha$ -D-glucopyranosyl)-1D-myo-inositol + 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.