

## N-acetylglucosamine-1-phosphodiester $\alpha$ -N-acetylglucosaminidase

Cat. No. EXWM-3729

Lot. No. (See product label)

### Introduction

**Description** Acts on a variety of compounds in which N-acetyl-D-glucosamine is  $\alpha$ -linked to a phosphate group, including the biosynthetic intermediates of the high mannose oligosaccharide components of some lysosomal enzymes and the products of EC 2.7.8.17 UDP-N-acetylglucosamine-lysosomal-enzyme N-acetylglucosaminophosphotransferase.

**Synonyms**  $\alpha$ -N-acetylglucosaminyl phosphodiesterase; lysosomal  $\alpha$ -N-acetylglucosaminidase; phosphodiester glycosidase;  $\alpha$ -N-acetyl-D-glucosamine-1-phosphodiester N-acetylglucosaminidase; 2-acetamido-2-deoxy- $\alpha$ -D-glucose 1-phosphodiester acetamidodeoxyglucohydrolase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.1.4.45

**CAS No.** 75788-84-0

**Reaction** glycoprotein N-acetyl-D-glucosaminyl-phospho-D-mannose + H<sub>2</sub>O = N-acetyl-D-glucosamine + glycoprotein phospho-D-mannose

**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.