

## glucan 1,4- $\alpha$ -glucosidase

Cat. No. EXWM-3893

Lot. No. (See product label)

### Introduction

#### Description

Most forms of the enzyme can rapidly hydrolyse 1,6- $\alpha$ -D-glucosidic bonds when the next bond in the sequence is 1,4, and some preparations of this enzyme hydrolyse 1,6- and 1,3- $\alpha$ -D-glucosidic bonds in other polysaccharides. This entry covers all such enzymes acting on polysaccharides more rapidly than on oligosaccharides. EC 3.2.1.20  $\alpha$ -glucosidase, from mammalian intestine, can catalyse similar reactions.

#### Synonyms

glucoamylase; amyloglucosidase;  $\gamma$ -amylase; lysosomal  $\alpha$ -glucosidase; acid maltase; exo-1,4- $\alpha$ -glucosidase; glucose amylase;  $\gamma$ -1,4-glucan glucohydrolase; acid maltase; 1,4- $\alpha$ -D-glucan glucohydrolase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.2.1.3

#### CAS No.

9032-08-0

#### Reaction

Hydrolysis of terminal (1 $\rightarrow$ 4)-linked  $\alpha$ -D-glucose residues successively from non-reducing ends of the chains with release of  $\beta$ -D-glucose

#### 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.