

## amyl- $\alpha$ -1,6-glucosidase

Cat. No. EXWM-3896

Lot. No. (See product label)

### Introduction

#### Description

This enzyme hydrolyses an unsubstituted glucose unit linked by an  $\alpha(1\rightarrow6)$  bond to an  $\alpha(1\rightarrow4)$  glucose chain. The enzyme activity found in mammals and yeast is in a polypeptide chain containing two active centres. The other activity is similar to that of EC 2.4.1.25 (4- $\alpha$ -glucanotransferase), which acts on the glycogen phosphorylase limit dextrin chains to expose the single glucose residues, which the 6- $\alpha$ -glucosidase activity can then hydrolyse. Together, these two activities constitute the glycogen debranching system.

#### Synonyms

amyl-1,6-glucosidase; dextrin 6- $\alpha$ -D-glucosidase; amylopectin 1,6-glucosidase; dextrin-1,6-glucosidase; glycogen phosphorylase-limit dextrin  $\alpha$ -1,6-glucohydrolase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.2.1.33

**CAS No.** 9012-47-9

**Reaction** Hydrolysis of (1 $\rightarrow$ 6)- $\alpha$ -D-glucosidic branch linkages in glycogen phosphorylase limit dextrin

**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.