Creative Enzymes®

amylo-α-1,6-glucosidase

Cat. No. EXWM-3896

Lot. No. (See product label)

Introduction

Description	This enzyme hydrolyses an unsubstituted glucose unit linked by an α(1→6) bond to an α(1→4) 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-α-glucanotransferase), which acts on the glycogen phosphorylase limit dextrin chains to expose the single glucose residues, which the 6-α-glucosidase activity can then hydrolyse. Together, these two activities constitute the glycogen debranching system.
Synonyms	amylo-1,6-glucosidase; dextrin 6-α-D-glucosidase; amylopectin 1,6-glucosidase; dextrin-1,6-glucosidase; glycogen phosphorylase-limit dextrin α-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→6)-α-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.