Creative Enzymes®

limit dextrin α-1,6-maltotetraose-hydrolase

Cat. No. EXWM-3880

Lot. No. (See product label)

Introduction

Description	This bacterial enzyme catalyses a reaction similar to EC 3.2.1.33, amylo-α-1,6-glucosidase (one of the activities of the eukaryotic glycogen debranching enzyme). However, while EC 3.2.1.33 removes single glucose residues linked by 1,6-α-linkage, and thus requires the additional activity of 4-α-glucanotransferase (EC 2.4.1.25) to act on limit dextrins formed by glycogen phosphorylase (EC 2.4.1.1), this enzyme removes maltotriose and maltotetraose chains that are attached by 1,6-α-linkage to the limit dextrin main chain, generating a debranched limit dextrin without a need for another enzyme.
Synonyms	glgX (gene name); glycogen debranching enzyme (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.2.1.196
Reaction	Hydrolysis of (1→6)-α-D-glucosidic linkages to branches with degrees of polymerization of three or four glucose residues in 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 ℃.