

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 dextrans 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 \rightarrow 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.