Creative Enzymes®

cycloisomaltooligosaccharide glucanotransferase

Cat. No. EXWM-2477

Lot. No. (See product label)

Introduction

Description	Specific for (1→6)-α-D-glucans (dextrans) and, unlike cyclomaltodextrin glucanotransferase (EC 2.4.1.19), without activity towards (1→4)-α-D-glucans, such as amylose. It also has no activity on oligosaccharides, such as amylopectin and pullulan,containing (1→6)-α-D-glucosidic linkages at branch points. The enzyme from Bacillus circulans T-3040 has been shown to form cycloisomalto-oligosaccharides of three sizes (7, 8 and 9 glucose units). It will also catalyse the disproportionation of two isomalto-oligosaccharides molecules to yield a series of isomalto-oligosachharides and the addition of D-glucose to cycloisomalto-oligosaccharides with ring opening to form isomalto-oligosaccharides.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.248
Reaction	cyclizes part of a (1→6)-α-D-glucan chain by formation of a (1→6)-α-D-glucosidic bond
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 ℃.