Creative Enzymes®

Transglucosidase

Cat. No. EXTZ-718

Lot. No. (See product label)

Introduction

Description	Transglucosidase, also known as α-glucosidase, has dual functions of hydrolysis and transglycosylation in the catalytic reactions of sugars. The hydrolysis function can cleave the α-1,4-glycosidic bonds at the non-reducing ends of α-glucosides, oligosaccharides, and polysaccharides, releasing glucose. The transglycosylation function can transfer the released glucose residue to another glucose or maltose substrate via an α-1,6-glycosidic bond, thereby producing non-fermentable isomaltulose oligosaccharides.

Product Information

Form	Light yellow liquid
Activity	300,000 U/mL
Optimum pH	5.0-6.0
Optimum temperature	50°C -60°C
Unit Definition	Under the test conditions of 40°C and pH 5.0, the amount of enzyme required to catalyze the production of 1 μg of glucose within 60 minutes is defined as one unit of α-glucosidase activity (1U).