Creative Enzymes®

Maltooligosyl trehalose trehalohydrolase from Bradyrhizobium sp., Recombinant

Cat. No. NATE-1215

Lot. No. (See product label)

Introduction

Description 4-alpha-D-{(1->4)-alpha-D-glucano}trehalose trehalohydrolase (EC 3.2.1.141, malto-oligosyltrehalose trehalohydrolase) is an enzyme with system name 4-alpha-D-((1->4)-alpha-D-glucano)trehalose glucanohydrolase (trehalose-producing).This enzyme catalyses the following chemical reaction: hydrolysis of (1->4)-alpha-D-glucosidic linkage in 4-alpha-D-[(1->4)-alpha-D-glucanosyl]n trehalose to yield trehalose and (1->4)-alpha-D-glucan.

Synonyms 4-α-D-{(1→4)-α-D-Glucano}trehalose trehalohydrolase; 4-α-D-(1,4-α-D-glucano)trehalose glucanohydrolase (trehalose-producing); 4-alpha-D-{(1→4)-alpha-D-glucano}trehalose trehalohydrolase; 4-alpha-D-(1,4-alpha-D-glucano)trehalose glucanohydrolase (trehalose-producing); Malto-oligosyltrehalose trehalohydrolase

Product Information

Source Bradyrhizobium sp. BTAi1

Form Supplied in 3.2 M ammonium sulphate

EC Number EC 3.2.1.141

CAS No. 170780-50-4

Molecular Weight 69634.7 Da

Purity > 95 % as judged by SDS-PAGE

Usage and Packaging

Preparation Instructions Agitate vial sufficiently to fully homogenise enzyme precipitate before use.

Storage and Shipping Information

Storage Store at 4°C (shipped at room temperature)