

Maltooligosyl trehalose trehalohydrolase from Bradyrhizobium sp., Recombinant

Cat. No. NATE-1215

Lot. No. (See product label)

Introduction

Description 4- α -D- $\{(1\rightarrow4)\text{-}\alpha\text{-D-glucano}\}$ trehalose trehalohydrolase (EC 3.2.1.141, malto-oligosyltrehalose trehalohydrolase) is an enzyme with system name 4- α -D- $\{(1\rightarrow4)\text{-}\alpha\text{-D-glucano}\}$ trehalose glucanohydrolase (trehalose-producing). This enzyme catalyses the following chemical reaction: hydrolysis of (1- \rightarrow 4)- α -D-glucosidic linkage in 4- α -D- $\{(1\rightarrow4)\text{-}\alpha\text{-D-glucanosyl}\}_n$ trehalose to yield trehalose and (1- \rightarrow 4)- α -D-glucan.

Synonyms 4- α -D- $\{(1\rightarrow4)\text{-}\alpha\text{-D-Glucano}\}$ trehalose trehalohydrolase; 4- α -D-(1,4- α -D-glucano)trehalose glucanohydrolase (trehalose-producing); 4- α -D- $\{(1\rightarrow4)\text{-}\alpha\text{-D-glucano}\}$ trehalose trehalohydrolase; 4- α -D-(1,4- α -D-glucano)trehalose glucanohydrolase (trehalose-producing); Malto-oligosyltrehalose trehalohydrolase

Product Information

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|-------------------------|-------------------------------------|
| 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 Agitate vial sufficiently to fully homogenise enzyme precipitate before use.

Instructions

Storage and Shipping Information

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