

Glucansucrase 70B from Streptococcus mutans, Recombinant

Cat. No. NATE-1383

Lot. No. (See product label)

Introduction

Description

A moderately thermostable Glucansucrase (4,6-Alpha-Glucanotransferase, reuteransucrase). The enzyme transfers glucose units from sucrose to make a highly branched, high molecular weight alpha-D-Glucan with α (1→4) glucosidic linkages and also some α (1→6) linked glucosyl units.

Synonyms

Alpha-glucanotransferase; glucosyltransferase; 4,6-alpha-Glucanotransferase; EC 2.4.1.-

Product Information

Species

Streptococcus mutans

Source

E. coli

Form

35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl₂, 0.02% sodium azide and 25% (v/v) glycerol

EC Number

EC 2.4.1.5

CAS No.

9032-14-8

Molecular Weight

99.6 kDa

Purity

>90% by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

6

Optimum temperature

37 °C

Specificity

Sucrose

Storage and Shipping Information

Storage

This enzyme is shipped at room temperature but should be stored at -20 °C.