

## 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  $\alpha$  (1→4) glucosidic linkages and also some  $\alpha$  (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 CaCl<sub>2</sub>, 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.