

Glucansucrase 70D from Streptococcus mutans, Recombinant

Cat. No. NATE-1381

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 98.5 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.