

Dextranase 66A from Streptococcus mutans, Recombinant

Cat. No. NATE-1307

Lot. No. (See product label)

Introduction

Description

An endodextranase that hydrolyzes-(1,6)-glucosidic linkages in dextran. Dextrans are undesirable compounds synthesized from sucrose by microbial contaminants during sugar production that increase viscosity of the flow and decrease industrial recovery. Dextranase has been used for hydrolyzing dextran at sugar mills in order to improve efficiency of sugar production.

Synonyms

EC 3.2.1.11, dextran hydrolase; endodextranase; dextranase DL 2; DL 2; endo-dextranase; α -D-1,6-glucan-6-glucanohydrolase; 1,6- α -D-glucan 6-glucanohydrolase; 9025-70-1; Dextranase

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 3.2.1.11

CAS No.

9025-70-1

Molecular Weight

96.56 kDa

Purity

>90% by SDS-PAGE

Concentration

0.25 mg/mL

pH Stability

5.1-10.6

Optimum temperature

37 °C

Specificity

Dextrans

Storage and Shipping Information

Storage

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