Creative Enzymes®

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.