Creative Enzymes®

Fructosyltransferase 68A from Bacillus subtilis, Recombinant

Cat. No. NATE-1384

Lot. No. (See product label)

Introduction

Description	Levansucrase (EC 2.4.1.10) is an enzyme that catalyzes the chemical reaction: sucrose + (2,6-beta-D-fructosyl)n → glucose + (2,6-beta-D-fructosyl)n+1. Thus, the two substrates of this enzyme are sucrose and (2,6-beta-D-fructosyl)n, whereas its two products are glucose and (2,6-beta-D-fructosyl)n+1. This enzyme belongs to the family of glycosyltransferases, specifically the hexosyltransferases.
Synonyms	Levansucrase; EC 2.4.1.10; sucrose:2,6-beta-D-fructan 6-beta-D-fructosyltransferase; sucrose 6-fructosyltransferase; beta-2,6-fructosyltransferase; beta-2,6-fructan:D-glucose 1-fructosyltransferase

Product Information

Species	Bacillus subtilis
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 2.4.1.10
CAS No.	9030-17-5
Molecular Weight	52.0 kDa
Purity	>90% by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	6
Optimum temperature	37 °C
Specificity	Sucrose 6-fructosyltransferase

Storage and Shipping Information

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