

## 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) $n$   $\rightarrow$  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

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

### Storage and Shipping Information

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