

Levanase 32A from *Bacteroides thetaiotaomicron*, Recombinant

Cat. No. NATE-1385

Lot. No. (See product label)

Introduction

Description

Levanase (EC 3.2.1.65, levan hydrolase, 2,6-beta-D-fructan fructanohydrolase) is an enzyme with systematic name (2->6)-beta-D-fructan fructanohydrolase. This enzyme catalyses the following chemical reaction: Random hydrolysis of (2->6)-beta-D-fructofuranosidic linkages in (2->6)-beta-D-fructans (levans) containing more than 3 fructose units.

Synonyms

Levanase; EC 3.2.1.65; levan hydrolase; 2,6-beta-D-fructan fructanohydrolase; (2->6)-beta-D-fructan fructanohydrolase

Product Information

Species

Bacteroides thetaiotaomicron

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 3.2.1.65

CAS No.

2608508

Molecular Weight

37.9 kDa

Purity

>90% by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

8

Optimum temperature

37 °C

Specificity

Levans

Storage and Shipping Information

Storage

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