

Rhamnogalacturonan Lyase from *Cellvibrio japonicus*, Recombinant

Cat. No. NATE-1565

Lot. No. (See product label)

Introduction

Description

Rhamnogalacturonan Lyase is an endo-1,4- α -rhamnogalacturonan lyase. This enzyme catalyses the following chemical reaction: Endotype eliminative cleavage of L- α -rhamnopyranosyl-(1- \rightarrow 4)- α -D-galactopyranosyluronic acid bonds of rhamnogalacturonan I domains in ramified hairy regions of pectin leaving L-rhamnopyranose at the reducing end and 4-deoxy-4,5-unsaturated D-galactopyranosyluronic acid at the non-reducing end.

Synonyms

endo-1,4- α -rhamnogalacturonan lyase; EC 4.2.2.-

Product Information

Species

Cellvibrio japonicus

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 4.2.2.-

Molecular Weight

79.6 kDa

Purity

>90% as judged by SDS-PAGE

Concentration

0.5 mg/mL

Optimum pH

9.0-10.0

Optimum temperature

45 °C

Specificity

Rhamnogalacturonan

Storage and Shipping Information

Storage

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