

## Rhamnogalacturonan Lyase from *Clostridium thermocellum*, Recombinant

Cat. No. NATE-1564

Lot. No. (See product label)

### Introduction

#### Description

Rhamnogalacturonan Lyase is an endo-1,4- $\alpha$ -rhamnogalacturonan lyase. This enzyme catalyses the following chemical reaction: Endotype eliminative cleavage of L- $\alpha$ -rhamnopyranosyl-(1- $\rightarrow$ 4)- $\alpha$ -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- $\alpha$ -rhamnogalacturonan lyase; EC 4.2.2.-

### Product Information

#### Species

*Clostridium thermocellum*

#### Source

*E. coli*

#### Form

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

#### EC Number

EC 4.2.2.-

#### Molecular Weight

76.1 kDa

#### Purity

>90% as judged by SDS-PAGE

#### Concentration

0.5 mg/mL

#### Optimum pH

8.0-10.0

#### Optimum temperature

65 °C

#### Specificity

Rhamnogalacturonan

### Storage and Shipping Information

#### Storage

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