

## Rhamnogalacturonan Lyase from *Cellvibrio japonicus*, Recombinant

Cat. No. NATE-1565

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** *Cellvibrio japonicus*

**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** 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.