

## Unsaturated rhamnogalacturonyl hydrolase 105A from *Bacillus subtilis*, Recombinant

Cat. No. NATE-1508

Lot. No. (See product label)

### Introduction

#### Description

Unsaturated rhamnogalacturonyl hydrolase (EC 3.2.1.172, YteR, YesR) is an enzyme with systematic name 2-O-(4-deoxy-beta-L-threo-hex-4-enopyranuronosyl)-alpha-L-rhamnopyranose hydrolase. This enzyme catalyses the following chemical reaction: 2-O-(4-deoxy-beta-L-threo-hex-4-enopyranuronosyl)-alpha-L-rhamnopyranose + H<sub>2</sub>O → 5-dehydro-4-deoxy-D-glucuronate + L-rhamnopyranose.

#### Synonyms

Unsaturated rhamnogalacturonyl hydrolase; EC 3.2.1.172; YteR; YesR

### Product Information

#### Species

*Bacillus subtilis*

#### 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 3.2.1.172

#### Molecular Weight

43.4 kDa

#### Purity

>90% as judged by SDS-PAGE

#### Concentration

1 mg/mL

#### Optimum pH

4

#### Optimum temperature

30 °C

#### Specificity

Unsaturated rhamnogalacturonan (RG)

### Storage and Shipping Information

#### Storage

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