

## Unsaturated rhamnogalacturonyl hydrolase 105A from *Bacteroides thetaiotaomicron*, Recombinant

Cat. No. NATE-1509

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** *Bacteroides thetaiotaomicron*

**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** 52.6 kDa

**Purity** >90% as judged by SDS-PAGE

**Concentration** 1 mg/mL

**Optimum pH** 7

**Optimum temperature** 37 °C

**Specificity** Rhamnogalacturonan oligosaccharides

### Storage and Shipping Information

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