

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 + H₂O → 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 CaCl₂, 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.