Creative Enzymes®

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.