Creative Enzymes®

Native Flavobacterium heparinum Heparinase I

Cat. No. NATE-0338

Lot. No. (See product label)

Introduction

Description In enzymology, a heparin lyase (EC 4.2.2.7) is an enzyme that catalyzes the chemical reaction: Eliminative cleavage of polysaccharides containing 1,4-linked D-glucuronate or L-iduronate residues and 1,4-alpha-linked 2-sulfoamino-2-deoxy-6-sulfo-D-glucose residues to give oligosaccharides with terminal 4-deoxy-alpha-D-gluc-4-enuronosyl groups at their non-reducing ends. This enzyme belongs to the family of lyases, specifically those carbon-oxygen lyases acting on polysaccharides.

Synonyms EC 4.2.2.7; Heparinase I; 9025-39-2; heparin eliminase; heparinase; heparin lyase

Product Information

Source Flavobacterium heparinum

EC Number EC 4.2.2.7

CAS No. 9025-39-2

Molecular Weight mol wt 42.8 kDa

Activity > 400 IU/mg，100IU/ml

Unit Definition One international unit (IU) is defined as the amount of enzyme that will liberate 1.0 μmole unsaturated oligosaccharides from porcine intestinal mucosal heparin per minute at 25°C and pH 7.0.

Storage and Shipping Information

Storage −20°C