Creative Enzymes®

Native Flavobacterium heparinum Heparinase III

Cat. No. NATE-0340

Lot. No. (See product label)

Introduction

Description	Heparin-degrading lyase that recognizes heparin sulfate proteoglycan as its primary substrate. In enzymology, a heparin-sulfate lyase (EC 4.2.2.8) is an enzyme that catalyzes the chemical reaction:Elimination of sulfate; appears to act on linkages between N-acetyl-D-glucosamine and uronate. Product is an unsaturated sugar. This enzyme belongs to the family of lyases, specifically those carbon-oxygen lyases acting on polysaccharides.
Synonyms	EC 4.2.2.8; Heparinase III; 37290-86-1; heparin-sulfate eliminase; heparitin-sulfate lyase; heparitinase I; heparitinase II; heparin-sulfate lyase

Product Information

Source	Flavobacterium heparinum
EC Number	EC 4.2.2.8
CAS No.	37290-86-1
Molecular Weight	mol wt 70.8 kDa
Activity	> 100 units/mg protein (enzyme + BSA)
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