Creative Enzymes®

Heparinase III from Bacteroides eggerthii, Recombinant

Cat. No. NATE-1267

Lot. No. (See product label)

Introduction

Description	Heparin-degrading lyase that recognizes heparin sulfate proteoglycan as its primary substrate. Heparinase I and III plays vital role in various biological processes: modulate cell-growth factor interactions, cell-lipoprotein interactions, neovascularization. It cleaves highly sulphated polysaccharide chains in presence of 2-O-sulfated α-L-idopyranosyluronic acid and β-D-glucopyranosyluronic acid residues of polysaccharides.
Synonyms	Heparinase; Heparin lyase; Heparin eliminase; Heparin-sulfate lyase; Heparin-sulfate eliminase; Heparitin-sulfate lyase; Heparinase I; Heparinase III; Heparin lyase II; Heparinase II

Product Information

Species	Bacteroides eggerthii
Source	E. coli
Form	100 mM NaCl, 20 mM Tris-HCl (pH 7.5 25°C), 1 mM Na2EDTA and 5 mM CaCl2.
CAS No.	37290-86-1
Molecular Weight	75 kDa
Purity	> 95% determined by SDS-PAGE
Concentration	700 units/ml
Unit Definition	One unit is defined as the amount of enzyme that will liberate 1.0 μmol unsaturated oligosaccharides from heparan sulfate per minute at 30°C and pH 7.0 in a total reaction volume of 100 μl.

Storage and Shipping Information

Storage	at -80°C. Avoid repeated freeze/thaw cycles.