

Heparinase II from *Bacteroides eggerthii*, Recombinant

Cat. No. NATE-1266

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. 149371-12-0

Molecular Weight 86 kDa

Purity > 95% determined by SDS-PAGE

Concentration 4,000 units/ml

Unit Definition One unit is defined as the amount of enzyme that will liberate 1.0 μ mol unsaturated oligosaccharides from porcine mucosal heparin per minute at 30°C and pH 7.0 in a total reaction volume of 100 μ l.

Storage and Shipping Information

Storage at -80°C