

Heparinase I from Bacteroides eggerthii, Recombinant

Cat. No. NATE-1265

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 $\alpha\text{-L-idopyranosyluronic}$ acid and $\beta\text{-D-glucopyranosyluronic}$ 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. 9025-39-2

Molecular Weight 42 kDa

Purity > 95% determined by SDS-PAGE

Concentration 12,000 units/ml

Unit Definition One unit is defined as the amount of enzyme that will liberate 1.0 µmol

unsaturated oligosaccharides from porcine mucosal heparin per minute at 30°C

1/1

and pH 7.0 in a total reaction volume of 100 μ l.

Storage and Shipping Information

Storage at -80°C

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