

## 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  $\alpha$ -L-idopyranosyluronic acid and  $\beta$ -D-glucoopyranosyluronic 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 Na<sub>2</sub>EDTA and 5 mM CaCl<sub>2</sub>.

**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  $\mu$ mol unsaturated oligosaccharides from porcine mucosal heparin per minute at 30°C and pH 7.0 in a total reaction volume of 100  $\mu$ l.

### Storage and Shipping Information

**Storage** at -80°C