

## Heparinase III from *Flavobacterium heparinum*, Recombinant

Cat. No. NATE-1948

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-glucopyranosyluronic acid residues of polysaccharides.

**Synonyms** EC 4.2.2.8; Heparinase III; 37290-86-1; heparin-sulfate eliminase; heparitin-sulfate lyase

### Product Information

**Species** *Flavobacterium heparinum*

**Source** E.coli

**Form** Solution

**EC Number** EC 4.2.2.8

**CAS No.** 37290-86-1

**Activity** > 200 IU/mg (heparan sulfate as substrate)

**Concentration** 5 IU/ml

**Specificity** Heparan sulfate.

**Unit Definition** One international unit (IU) of recombinant heparinase III is defined as the amount of enzyme that will liberate 1.0  $\mu$ mole unsaturated oligosaccharides from heparan sulfate per minute at 35 °C and pH 7.0.

### Storage and Shipping Information

**Stability** Expiration of heparinase III is 12 months from manufacturing date, frozen at -96 to -20 °C in PBS.