

Heparinase II from *Flavobacterium heparinum*, Recombinant

Cat. No. NATE-1947

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 II; Heparinase II; 149371-12-0

Product Information

Species

Flavobacterium heparinum

Source

E.coli

Form

Solution

CAS No.

149371-12-0

Activity

> 15 IU/mg (heparin as substrate), > 18 IU/mg (heparan sulfate as substrate)

Concentration

4 IU/ml

Specificity

Heparin; heparan sulfate.

Unit Definition

One international unit (IU) of recombinant heparinase II is defined as the amount of enzyme that will liberate 1.0 μ mole unsaturated oligosaccharides from porcine mucosal heparin per minute at 35 °C and pH 7.0.

Storage and Shipping Information

Stability

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