Creative Enzymes®

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 μmole 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.