

Heparinase II from Flavobacterium heparinum, Recombinant

Cat. No. NATE-1947

Lot. No. (See product label)

Introduction	
Description Synonyms	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. 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.