

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 α -L-idopyranosyluronic acid and β -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 μ 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.