Creative Enzymes®

Native Flavobacterium heparinum 2-O-Sulfatase

Cat. No. NATE-0002

Lot. No. (See product label)

Introduction

Description Hydrolyses the terminal 2-O-sulphate on the unsaturated di-and oligo-saccharides produced by the action of lyases on sulphated glycosaminoglycans.

Applications 2-O-Sulfatase from Flavobacterium heparinum has been used in a study to determine that oversulfated chondroitin sulfate is a contaminant in heparin associated with adverse clinical events. 2-O-Sulfatase from Flavobacterium heparinum has also been used in a study to determine the structure of oligosaccharides prepared from acharan sulfate.

Synonyms 2-O-Sulfatase

Product Information

Source Flavobacterium heparinum

Form Solution contains 10 mM tris-acetate, pH 7.3, 80 mM NaCl, 10 mM potassium phosphate, 0.2% BSA.

Activity 10-40 (units/ml)

Unit Definition One unit will hydrolyze heparin disaccharide I-P to yield 1.0 micromole of disaccharide II-P (δ-UA-GlcNCOEt-6S) per minute at pH 7.3 at 25°C.

Storage and Shipping Information

Storage −20°C