

Native Flavobacterium heparinum 2-O-Sulfatase

SPECIFICATION

Cat.No.	SULF2-02F
Species	Flavobacterium heparinum
Product Name	Native Flavobacterium heparinum 2-O-Sulfatase
Description	Hydrolyses the terminal 2-O-sulphate on the unsaturated di- and oligo-saccharides produced by the action of lyases on sulphated glycosaminoglycans.
Form	Solution contains 10 mM tris-acetate, pH 7.3, 80 mM NaCl, 10 mM potassium phosphate, 0.2% BSA.
Bio-activity	10-40 (units/ml)
Protein length	843
Enzyme Unit	One unit will hydrolyze heparin disaccharide I-P (H9401) to yield 1.0 micromole of disaccharide II-P (δ-UA-GlcNCOEt-6S) per minute at pH 7.3 at 25 °C.
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.
Storage	at -70 °C