Creative Enzymes®

α-L-Iduronidase from Human, Recombinant

Cat. No. NATE-0930

Lot. No. (See product label)

Introduction

Description	This enzyme catalyses the hydrolysis of unsulfated α-L-iduronosidic linkages in dermatan sulfate. In lysosomal degradation process α-L-Iduronidase plays a crucial role. It hydrolyzes the non-reducing terminal α-L-iduronic acid residues in GAGs, including dermatan sulfate and heparan sulfate. It is involved in the degeneration of glycosaminoglycans such as dermatan sulfate and heparan sulfate. It is found in the lysosomes of cells.
Applications	α-L-Iduronidase may be used for leukocyte assay in the study of a-L-Iduronidase deficiency in new born.
Synonyms	Iduronidase; EC 3.2.1.76; L-iduronidase; alpha-L-iduronidase); glycosaminoglycan alpha-L-iduronohydrolase; IDUA; α-L-Iduronidase

Product Information

Species	Human
Source	Mouse NSO cells
Form	Supplied as a solution in 40 mM sodium acetate , 400 mM NaCl and 20% (v/v) glycerol, pH 5.0.
EC Number	EC 3.2.1.76
Molecular Weight	71 kDa
Activity	>7,500 units/μg protein
Unit Definition	One unit will produce 1 picomole of 4-methylumbelliferone from 4-methylumbelliferyl-α-L-iduronide per minute at pH 3.5 at 25 °C.

Storage and Shipping Information

Storage	Store at -20°C