

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 α-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