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IDS, 26-550aa, Human, His-tag, Baculovirus

产品货号: TP02563

第三版

别名: Iduronate 2-sulfatase isoform, IDS, MPS2, SIDS

描述: IDS, as known as iduronate 2-sulfatase isoform, is a member of the highly conserved sulfatase family of enzymes that catalyze the hydrolysis of O-sulfate and N-sulfate esters from a variety of substrates. This protein is required for the lysosomal degradation of the glycosaminoglycans (GAG) heparan sulfate and dermatan sulfate. It hydrolyzes the 2-sulfate group of the IDS units of the GAG. Recombinant human IDS, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

配方: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

分子量: 60.3kDa (533aa), 50-70kDa (SDS-PAGE under reducing conditions.)

序列:

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SETQANSTTDALNVLLIIVDDLRLPSLGCYGDKLVRSNIDQLASHLLFQNAFAQQAVCAPSRVVSFLTGRRPDTRRLYDFNS  
YWRVHAGNFSTIPQYFKENGYVTMSVGKVFHPGISSNHTDDSPYSWSFPPYHPSSEKYENTKTCRGPDGELHANLLCPVD  
VLDVPEGTLDPKQSTEQAIQLLEKMKTSASPFFLAVGYHKPHIPFRYPKEFQKLYPLENITLAPDPEVPDGLPPVAYNPWMD  
IRQREDVQALNISVPYGPPIVDFQRKIRQSYFASVSYLDTQVGRLLSALDDLQLANSTIIAFTSDHWALGEHGEWAKYSNF  
DVATHVPLIFYVPGRTASLPEAGEKLFYLPDPSASQLMEPGRQSM DLVELVSLFPTLAGLAGLQVPPRCVPVPSFHVELCR  
EGKLLKHFRFRDLEEDPYLPGNPRELIAYSQYPRPSDIPQWNSDKPSLKD IKIMGYSIRTIDYRYTVWVGFNPDEFLANFSD  
IHAGELYFVDS DPLQDHNMYNDSQGGDLFQLLMPLEHHHHHH
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纯度: > 95% by HPLC

浓度: 0.25mg/ml (determined by Absorbance at 280nm)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.