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Beta-galactosidase, 24-677aa, Human, His tag, Insect cell

产品货号: TP01326

第三版

别名:GLB1, EBP, ELNR1, MPS4B

描述:GLB1, also known as beta-galactosidase, is a lysosomal B-galactosidase that hydrolyzes the terminal B-galactose form ganglioside and keratin sulfate. It plays functional roles in the formation of extracellular elastic fibers (elastogenesis) and in the development of connective tissue. It seems to be identical to the elastin-binding protein (EBP), a major component of the non-integrin cell surface receptor expressed on fibroblasts, smooth muscle cells, chondroblasts, leukocytes, and certain cancer cell types. In elastin producing cells, it associates with tropoelastin intracellularly and functions as a recycling molecular chaperone which facilitates the secretions of tropoelastin and its assembly into elastic fibers. Recombinant human GLB1, 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:74.6kDa (662aa), 70-100KDa (SDS-PAGE under reducing conditions.)

序列:

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LRNATQRMFEIDYSRDSFLKDGQPFYRISGSIHYSRVPRFYWKDRLLKMKMAGLNAIQTYVPWNFHEPWPGQYQFSEDH  
DVEYFLRLAHELGLLVILRPGPYICA EWEMGGLP AWLLEKESILLRSDPDYLA AVDKWLG VLLPKMKPLLYQNGGPVITV  
QVENEYGSYFACDFDYLRFLQKRFRHHLGDDVVLFTTDGAHKTF LKCGALQGLYTTVDFGTGSNITDAFLSQRKCEPKGP  
LINSEFYTGWLDHWGQPHSTIKTEAVASSLYDILARGASVNL YMFIGGTNFAYWNGANSPYAAQPTS YDYDAPLSEAGDL  
TEKYFALRNIIQKFEKVPEGPIPPSTPKFAYGKVTLEKLKTVGAALDILCPSGPIKSLYPLTFIQVKQHYGFVLYRRTTL PQDCSN  
PAPLSSPLNGVHDRAYVAVDGIPQGVLERNNVITL NITGKAGATDLLVENMGRVNYGAYINDFKGLVSNLTLSSNILT D  
WTIFPLDTEDAVRSHLGGWGHHRDSGHHDEAWAHNSSNYTLP AFYMGNFSPSGIPDLPQDTFIQFPGWTKGQVWINGF  
NLGRYWPARGPQLTLFVPQHILMTSAPNTITVLELEWAPCS SDDPELCAVTFVDRPVI GSSV TYDHPSKPVEKRLMPPPPQ  
KNKDSWLDHVLEHHHHHHH
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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.