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32-6760: GLB1 Human

Alternative Name : lacZ, beta-gal, b-gal, Acid beta-galactosidase, Lactase, Elastin receptor 1

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Beta-galactosidase or GLB1 is a B-galactosidase found in the lysosome. This enzyme hydrolyzes the finale B-galactose from the precursors ganglioside & keratin sulfate. GLB1 has a crucial part in the creation of elastogenesis (extracellular elastic fibers) and connective tissue development. This enzyme is similar to elastin-binding protein which is a key part in non-integrin cell surface receptor. In cells that extort elastin GLB1 is linked to tropoelastin intracellularly and act as recycling molecular chaperone.
GLB1 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 662 amino acids (24-677 a.a.) and having a molecular mass of 74.6 kDa.GLB1 is fused to an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	GLB1 Human protein (0.25mg/ml) is formulated in 10% glycerol and Phosphate-Buffered Saline (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	LRNATQRMFE IDYSRDSFLK DGQPFRYISG SIHYSRVPRF YWKDRLLKMK MAGLNAIQTY VPWNFHEPWP GQYQFSEDHD VEYFLRLAHE LGLLVILRPG PYICAEWEMG GLPAWLLEKE SILLRSSDPD YLAAVDKWLG VLLPKMKPLL YQNGGPVITV QVENEYGSYF ACDFDYLRFL QKRFRHHLGD DVVLFTTDGA HKTFLKCGAL QGLYTTVDFG TGSNITDAFL SQRKCEPKGP LINSEFYTGW LDHWGQPHST IKTEAVASSL YDILARGASV NLYMFIGGTN FAYWNGANSP YAAQPTSYDY DAPLSEAGDL TEKYFALRNI IQKFEKVPEG PIPPSTPKFA YGKVTLEKLK TVGAALDILC PSGPIKSLYP LTFIQVKQHY GFVLYRTTLP QDCSNPAPLS SPLNGVHDRA YVAVDGIPQG VLERNNVITL NITGKAGATL DLLVENMGRV NYGAYINDFK GLVSNLTLSS NILTDWTIFP LDTEDAVRSH LGGWGHRDSG HHDEAWAHNS SNYTLPAFYM GNFSIPSGIP DLPQDTFIQF PGWTKGQVWI NGFNLGRYWP ARGPQLTLFV PQHILMTSAP NTITVLELEW APCSSDDPEL CAVTFVDRPV IGSSVTYDHP SKPVEKRLMP PPPQKNKDSW LDHVLEHHHH HH

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