

Datasheet for ABIN6387747
GLB1 Protein (AA 24-677) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	GLB1
Protein Characteristics:	AA 24-677
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLB1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	LRNATQRMFE IDYSRDSFLK DGQPFYISG 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 PGWTKGQWWI NGFNLGRYWP ARGPQLTLFV PQHILMTSAP NTITVLELEW APCSSDDPEL CAVTFVDRPV IGSSVTYDHP SKPVEKRLMP PPPQKNKDSW LDHV
Purity:	> 90% by SDS-PAGE

Product Details

Endotoxin Level: < 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target: GLB1

Alternative Name: beta -Galactosidase-1/GLB1 ([GLB1 Products](#))

Background: 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.

Molecular Weight: 74.6 kDa (662aa)

NCBI Accession: [NP_000395](#)

UniProt: [P16278](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

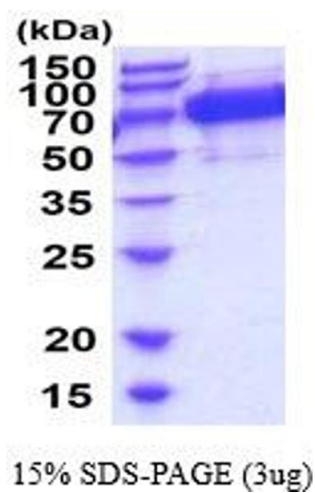
Format: Liquid

Concentration: 0.25 mg/mL

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

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.