Datasheet for ABIN7319218

GLB1 Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	GLB1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLB1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human β-Galactosidase/GLB1 Protein (His Tag)
Sequence:	Leu24-Val677
Characteristics:	Recombinant Human beta-Galactosidase is produced by our Mammalian expression system and the target gene encoding Leu24-Val677 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GLB1
Alternative Name:	beta-Galactosidase/GLB1 (GLB1 Products)
Background:	Background: β Galactosidase is a lysosomal β Galactosidase that hydrolyzes the terminal β Galactose from Ganglioside and Keratan sulfate. In lysosome, the mature β Galactosidase protein associates with Cathepsin A and Neuraminidase 1 to form the lysosomal multienzyme

Target Details

	complex . An alternative splicing at the RNA level of β Galactosidase results a catalytically inactive β Galactosidase that plays an important role in vascular development. Defects of β-galactosidase (GLB1) are the cause of diseases like GM1-gangliosidosis which is a lysosomal storage disease and Morquio Syndrome B that cause patients to have abnormal elastic fibers. More than 100 mutations have been identified for β Galactosidase, which result in different residual activities of the mutant enzymes and a spectrum of symptoms in the two related diseases. Synonym: Beta-Galactosidase, Acid Beta-Galactosidase, Lactase, Elastin Receptor 1, GLB1, ELNR1
Molecular Weight:	74.6 kDa
UniProt:	P16278
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.