OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP724807

GLB1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human beta-Galactosidase/GLB1(C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Leu24-Val677
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	2720
UniProt ID:	P16278
Summary:	Î² Galactosidase is a lysosomal Î² Galactosidase that hydrolyzes the terminal Î² Galactose from Ganglioside and Keratan sulfate. In lysosome, the mature Î² Galactosidase protein associates with Cathepsin A and Neuraminidase 1 to form the lysosomal multienzyme complex. An alternative splicing at the RNA level of Î² Galactosidase results a catalytically inactive Î² Galactosidase that plays an important role in vascular development. Defects of Î²-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 Î² Galactosidase, which result in different residual activities of the mutant enzymes and a spectrum of symptoms in the two related diseases.

View online »