

Recombinant Full Length Human GLB1 Protein, GST-tagged

Cat. No. GLB1-5308HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GLB1 full-length ORF (AAH07493, 1 a.a. - 677 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	677 amino acids
Description	This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Molecular Mass	100.21 kDa
AA Sequence	MPGFLVRILLLLLVLGPTRLRNATQRMFEIDYSRDSFLKDGQPFRYISGSIHYSR VPRFYWKDRLLKMKMAGLNAIQTYVPWNFHEPWPGQYQFSEDHDEYFLRLAHEL GLLVILRPGPYICAEWEMGGLPAWLLEKESILLRSSDPDYLA AVDKWLGVLLPKMKP LLYQNGGPVITVQVENEYGSYFACDFDYLRFLQKRFRHHLGDDVVLFTTDGAHKTF KCGALQGLYTTVDFGTGSNITDAFLSQRKCEPKGPLINSEFYTGWLDHWGQPHSTIK TEAVASSLYDILARGASVNLVYMFIGGTNFAYWNGANSPYAAQPTS YDYDAPLSEAG DLTEKYFALRNIIQKFEKVPEGPIPPSTPKFAYGKVTLEKLKTVGAALDILCPSPGPIKSL YPLTFIQVKQHYGFVLYRTTLPQDCSNPAPLSSPLNGVHDRAYVAVDGIPQGVLERN

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NVITLNITGKAGATLDLLVENMGRVNYGAYINDFKGLVSNLTLSSNILTDTWTFPLDTE
DAVRSHLGGWGHDRDSGHHDEAWAHNSSNYTLPAFYMGNFPSIPSGIPDLPQDTFIQF
PGWTKGQVWINGFNLGRYWPARGPQLTLFVPQHILMTSAPNTITVLELEWAPC SSD
DPELCAVTFVDRPVIGSSVTYDHPSKPVEKRLMPPPPQKNKDSWLDHV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name GLB1 galactosidase, beta 1 [Homo sapiens]

Official Symbol GLB1

Synonyms GLB1; galactosidase, beta 1; elastin receptor 1 (67kD), elastin receptor 1, 67kDa, ELNR1; beta-galactosidase; EBP; lactase; acid beta-galactosidase; elastin receptor 1, 67kDa; ELNR1; MPS4B;

Gene ID 2720

mRNA Refseq NM_000404

Protein Refseq NP_000395

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MIM	611458
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UniProt ID	P16278
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