

Recombinant Full Length Human GLB1 Protein, C-Flag-tagged

Cat. No. GLB1-417HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GLB1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the glycosyl hydrolase 35 family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature lysosomal enzyme. This enzyme catalyzes the hydrolysis of a terminal beta-linked galactose residue from ganglioside substrates and other glycoconjugates. Mutations in this gene may result in GM1-gangliosidosis and Morquio B syndrome.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	75.9 kDa
AA Sequence	MPGFLVRILLLLVLLLLGPTRGLRNATQRMFEIDYSRDSFLKDGQPFRYISGSIHYSR VPRFYWKDRLL KMKMAGLNAIQTYVPWNFHEPWPGQYQFSEDHDVEYFLRLAHEL GLLVILRPGPYICAEWEMGGLPAWLL EKESILLRSSDPDYLAADVCKWLGVLPPKMKP LLYQNGGPVITVQVENEGSYFACDFDYLRFLQKRFRHH LGDDVVLFTTDGAHKTF LKCGALQGLYTTVDFGTGSNITDAFLSQRKCEPKGPLINSEFYTGWLDHWGQP HST IKTEAVASSLYDILARGASVNLVYFIGGTNFAYWNGANSPLYAAQPTSVDYDAPLSEA GDLTEKYFAL RNIIQKFEKVPEGPIPPSTPKFAYGKVTLEKLKTVGAALDILCPSPGIK

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SLYPLTFIQVKQHYGFVLYRT TLPQDCSNPAPLSSPLNGVHDRAVAVDGIPQGVLE
 RNNVITLNTGKAGATLDLLVENMGRVNYGAYIN DFKGLVSNLTLSSNILDWTIFPLD
 TEDAVRSHLGGWGHHRDSGHHDEAWAHNSSNYTLPAFYMGNFPSIPS GIPDLPQDTF
 IQFPGWTKGQVWINGFNLGRYWPARGPQLTLFVPQHILMTSAPNTITVLELEWAPCS
 SDD
 PELCAVTFVDRPVIGSSVTYDHPSKPVEKRLMPPPPQKNKDSWLDHVTTRTRPLEQK
 LISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Galactose metabolism, Glycosaminoglycan degradation, Glycosphingolipid biosynthesis - ganglio series, Lysosome, Metabolic pathways, Other glycan degradation, Sphingolipid metabolism
Full Length	Full L.

GENE INFORMATION

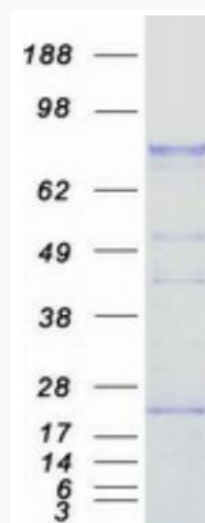
Gene Name GLB1 galactosidase beta 1 [Homo sapiens (human)]

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Official Symbol	GLB1
Synonyms	EBP; ELNR1; MPS4B
Gene ID	2720
mRNA Refseq	NM_000404.4
Protein Refseq	NP_000395.3
MIM	611458
UniProt ID	P16278



Coomassie blue staining of purified GLB1 protein.