

Product datasheet for **TP300721L**

GLB1 (NM_001079811) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human galactosidase, beta 1 (GLB1), transcript variant 2, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC200721 protein sequence
Red=Cloning site **Green**=Tags(s)

MPGFLVRILLLLLVLLLGPTRGLRNATQRMFEIDYSRDSFLKDGQPFRYISGSIHYSRVPRFYWKDRLL
KMKMAGLNAIQTYVPWNFHEPWPGQYQFSEDHDVEYFLRLAHELGLLVILRPGPYICAEWEMGGLPWLL
EKESILLRSSDPDYLAAVDKWLGVLLPKMKPLLYQNGGPVITVQVENEYGSYFACDFDYLRLQKRFRHH
LGDDVLFITDGAHKTFLKCGALQGLYTTVDFGTGSNITDAFLSQRKCEPKGPLINSEFYTGWLDHWGQP
HSTIKTEAVASSLYDILARGASVNLVYMFIGGTNFAYWNGANSFYAAQPTSVDYDAPLSEAGDLTEKYFAL
RNIIQKFEKVPEGPIPPSTPKFAYGKVTLEKLTVGAALDILCPSGPIKSLYPLTFIQVKQHYGFVLYRT
TLPQDCSNPAPLSSPLNGVHDRAYVAVDGIPQGVLERNNVITLNTGKAGATLDLLVENMGRVNYGAYIN
DFKGLVSNLTLSSNILTDWTFPLDTEDAVRSHLGGWGHRSRSGHHDEAWAHNSSNYTLPAFYMGNFISIPS
GIPDLPQDTFIQFPGWTKGQWINGFNLGRYWPARGPQLTLFVPQHILMNTSAPNTITVLELEWAPCSSDD
PELCAVTFVDRPVIGSSVTYDHPSPVEKRLMPPPPQKNKDSWLDHV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 72.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

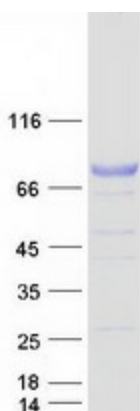
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001073279
Locus ID:	2720
UniProt ID:	P16278
RefSeq Size:	2500
Cytogenetics:	3p22.3
RefSeq ORF:	2034
Synonyms:	EBP; ELNR1; MPS4B
Summary:	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. [provided by RefSeq, Nov 2015]
Protein Families:	Druggable Genome
Protein Pathways:	Galactose metabolism, Glycosaminoglycan degradation, Glycosphingolipid biosynthesis - ganglio series, Lysosome, Metabolic pathways, Other glycan degradation, Sphingolipid metabolism

Product images:



Coomassie blue staining of purified GLB1 protein (Cat# [TP300721]). The protein was produced from HEK293T cells transfected with GLB1 cDNA clone (Cat# [RC200721]) using MegaTran 2.0 (Cat# [TT210002]).