

Product datasheet for PH316106

GLB1 (NM_000404) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GLB1 MS Standard C13 and N15-labeled recombinant protein (NP_000395)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216106
Predicted MW:	75.9 kDa
Protein Sequence:	>RC216106 representing NM_000404 Red=Cloning site Green=Tags(s)

MPGFLVRIILLVLLVLLLPTRGLRNATQRMFEIDYSRDSFLKDGQPFYISGSIHYSRVPRFYWKDRLL
KMKMAGLNAIQTYVPWNFHEPWPGQYQFSEHDVEYFLRLAHELGLLVILRPGPYICAEWEMGGLPAWLL
EKESILLRSDPDYLAADVCKWLVLLPKMKPLLQNGGPVITVQVENEYGSYFACDFDYLRFQKRFRRH
LGDDVVLFTTDGAHKTFKCGALQGLYTTVDFGTGSNITDAFLSQRKCEPKGPLINSEFYTGWLDHWGQP
HSTIKTEAVASSLYDILARGASVNL YMFIGGTNFAYWNGANSPYAAQPTS YDYDAPLSEAGDLTEKYFAL
RNIIQKFEKVPEGPIPPSTPKFAYGKVTLEKLTVGAALDILCPSGPIKSLYPLTFIQVKQHYGFVLYRT
TLPQDCSNPAPLSSPLNGVHDRAYVAVDGIPQGVLERNNVITLNI TGKAGATLDLLVENMGRVNYGAYIN
DFKGLVSNLTLSSNILTDWITIFPLDTEAVRSHLGGWGHRS GHHDEAWAHNSSNYTLPAFYMGNFSIPS
GIPDLPQDTFIQFPGWTKGQVWINGFNLGRYPARGPQLTLFVFPQHILMTSAPNTITVLELEWAPCSDD
PELCAVTFVDRPVIGSSVTYDHP SKPVEKRLMPPPPQKNKDSWLDHV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000395
RefSeq Size:	2409



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RefSeq ORF: 2030

Synonyms: EBP; ELNR1; MPS4B

Locus ID: 2720

UniProt ID: [P16278](#)

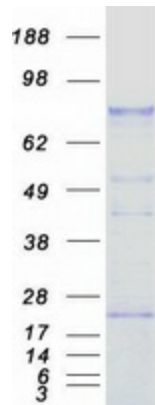
Cytogenetics: 3p22.3

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# [TP316106]). The protein was produced from HEK293T cells transfected with GLB1 cDNA clone (Cat# [RC216106]) using MegaTran 2.0 (Cat# [TT210002]).