

## Product datasheet for **TP316106**

### GLB1 (NM\_000404) Human Recombinant Protein

#### Product data:

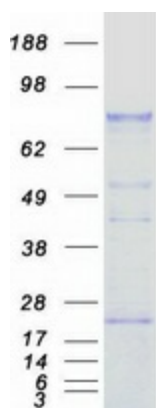
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human galactosidase, beta 1 (GLB1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216106 representing NM_000404 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MPGFLVRILLLLLVLLLLGPTRGLRNATQRMFEIDYSRDSFLKDGQPFRYISGSIHYSRVPRFYWKDRLL            KMKMAGLNAIQTYVPWNFHEPWPGQYQFSEDHDEVEYFLRLAHELGLLVILRPGPYICAEWEMGGLPAW            LL            EKESILLRSSDPDYLAADVCKWLGVLPPKMKPLLYQNGGPVITVQVENEYGSYFACDFDYLRFLQKRFRHH            LGDDVWLFTTDGAHKTFCLKCGALQGLYTTVDFGTGSNITDAFLSQRKCEPKGPLINSEFYTGWLDHWGQP            HSTIKTEAVASSLYDILARGASVNLVMFIGGTNFAYWNGANSPYAAQPTSVDYDAPLSEAGDLTEKYFAL            RNIIQKFEKVPEGPIPPSTPKFAYGKVTLEKLKTVGAALDILCPSGPIKSLYPLTFIQVKQHYGFVLYRT            TLPQDCSNPAPLSSPLNGVHDRAYVAVDGIPQGVLERNNVITLNITGKAGATDLLVENMGRVNYGAYIN            DFKGLVSNLTSSNILTDTWTFPLDTEDAVRSHLGGWGHHRDSGHHDEAWAHNSSNYTLPAFYMGNFSIP            S            GIPDLPQDTFIQFPGWTKGQVWINGFNLGRYWPARGPQLTLFVPQHILMTSAPNTITVLELEWAPCSD            PELCAVTFVDRPVGSSVTYDHPSPVEKRLMPPPPQKNKDSWLDHV</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	75.9 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.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000395</a>
<b>Locus ID:</b>	2720
<b>UniProt ID:</b>	<a href="#">P16278</a>
<b>RefSeq Size:</b>	2409
<b>Cytogenetics:</b>	3p22.3
<b>RefSeq ORF:</b>	2030
<b>Synonyms:</b>	EBP; ELNR1; MPS4B
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).