

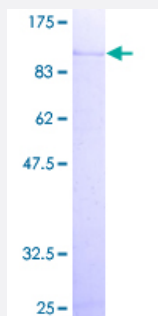
Full-Length

GLB1 (Human) Recombinant Protein (P01)

Catalog # H00002720-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GLB1 full-length ORF (AAH07493, 1 a.a. - 677 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPGFLVRILLLLLVLLLLGPTRGLRNATQRMFEIDYSRDSFLKDGQPFRYISGSIHYSRVPRFYWKD
RLLKMKMAGLNAIQTYVPWNFHEPWPGQYQFSEDHDEYFLRLAHELGLLVILRPGPYCAEWEM
GGLPAWLLEKESILLRSSDPDYLAADVCKWLGVLPPKMKPLLYQNGGPVITVQVENEYGSYFACDF
DYLRFLLQKRFRHHLGDDVVLFTTDGAHKTFLLKCGALQGLYTTVDFGTGSNITDAFLSQRKCEPKG
PLINSEFYTGWLDHWGQPHSTIKTEAVASSLYDILARGASVNLVYFIGGTNFAYWNGANSFYAAQP
TSYDYDAPLSEAGDLTEKYFALRNIIQKFEKVPEGPIPPSTPKFAYGKVTLEKLKTVGAALDILCPKG
PIKSLYPLTFIQVKQHYGFVLYRTTLPQDCSNPAPLSSPLNGVHDRAVAVDGIPQGVLERNNVITL
NITGKAGATDLLVENMGRVNYGAYINDFKGLVSNLTLSSNLTLDWTIFPLDTEDAVRSHLGGWGH
DSGHHDEAWAHNSSNYTLPAFYMGNFSSIPSGIPDLPQDTFIQFPGWTKGQVWINGFNLGRYWP
GPQLTLFVPQHILMTSAPNTITVLELEWAPCSSDDPELCAVTFVDRPVIGSSVTYDHPSPKPV
EKRLMPPPPQKNKDSWLDHV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

100.21

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — GLB1

Entrez GeneID	2720
GeneBank Accession#	BC007493
Protein Accession#	AAH07493
Gene Name	GLB1
Gene Alias	EBP, ELNR1
Gene Description	galactosidase, beta 1
Omim ID	230500 611458
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	elastin receptor 1, 67kDa

Pathway

- [Galactose metabolism](#)
- [Glycosaminoglycan degradation](#)
- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Lysosome](#)
- [Metabolic pathways](#)
- [Other glycan degradation](#)
- [Sphingolipid metabolism](#)

Disease

- [Tobacco Use Disorder](#)