

Recombinant Full Length Human GLB1 Protein, GST-tagged

Cat. No. GLB1-5308HF Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Human GLB1 full-length ORF (AAH07493, 1 a.a. - 677 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 677 amino acids |
| Description | 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] |
| Molecular Mass | 100.21 kDa |
| AA Sequence | MPGFLVRILLLLLVLGGPTRGLRNATQRMFEIDYSRDSFLKDGQPFRYISGSIHYSR VPRFYWKDRLLKMKMAGLNAIQTYVPWNFHEPWPGQYQFSEDHDVEYFLRLAHEL GLLVILRPGPYICAEWEMGGLPAWLLEKESILLRSSDPDYLAAVDKWLGVLLPKMKP LLYQNGGPVITVQVENEYGSYFACDFDYLRFQKFRHHLGDDVVLFTTDGAHKTF KCGALQGLYTTVDFGTGSNITDAFLSQRKCEPKGPLINSEFYTGWLDHWGQPHSTIK TEAVASSLYDILARGASVNLVYMFIGGTNFAYWNGANSPYAAQPTSVDYDAPLSEAG DLTEKYFALRNIIQKFEKVPEGPIPPSTPKFAYGKVTLEKLTVGAALDILCPSPGPIKSL YPLTFIQVKQHYGFVLYRRTLPQDCSNPAPLSSPLNGVHDRAYVAVDGIPQGVLERN |

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

NVITLNITGKAGATLDLLVENMGRVNYGAYINDFKGLVSNLTLSSNILDWTIFPLDTE
 DAVRSHLGGWGHHRDSGHHDEAWAHNSSNYTLPAFYMGNFSPSGIPDLPQDTFIQF
 PGWTKGQVWINGFNLGRYWPARGPQLTLFVPQHILMTSAPNTITVLELEWAPCSSD
 DPCLCAVTFVDRPVIGSSVTYDHPSPKVEKRLMPPPPQKNKDSWLDHV

| | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| Applications | Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array |
| Notes | Best use within three months from the date of receipt of this protein. |
| Storage | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

GENE INFORMATION

| | |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name | GLB1 galactosidase, beta 1 [Homo sapiens] |
| Official Symbol | GLB1 |
| Synonyms | GLB1; galactosidase, beta 1; elastin receptor 1 (67kD), elastin receptor 1, 67kDa, ELNR1; beta-galactosidase; EBP; lactase; acid beta-galactosidase; elastin receptor 1, 67kDa; ELNR1; MPS4B; |
| Gene ID | 2720 |
| mRNA Refseq | NM_000404 |
| Protein Refseq | NP_000395 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



| | |
|------------|--------|
| MIM | 611458 |
|------------|--------|

| | |
|-------------------|--------|
| UniProt ID | P16278 |
|-------------------|--------|

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA