

Recombinant Mouse Glb1 Protein, MYC/DDK-tagged

Cat. No. Glb1-706M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of full-length mouse galactosidase, beta 1 (Glb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.

Species Mouse

Source HEK293

Description This gene encodes a preproprotein that is proteolytically cleaved to yield a signal peptide and a proprotein that is subsequently processed to generate the active mature peptide. The encoded protein is a lysosomal enzyme that catalyzes the hydrolysis of terminal beta-D-galactose residues in various substrates like lactose, ganglioside GM1 and other glycoproteins. Mutations in the human gene are associated with GM1-gangliosidosis and Morquio B syndrome. Disruption of the mouse gene mirrors the symptoms of human gangliosidosis. Alternative splicing results in multiple transcript variants.

Molecular Mass 73 kDa

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

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

 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

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Glb1 galactosidase, beta 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Glb1](#)

Synonyms [Glb1](#); galactosidase, beta 1; Bge; Bgl; Bgs; Bgt; Bgl-e; Bgl-s; Bgl-t; AW125515; C130097A14Rik; beta-galactosidase; acid beta-galactosidase; lactase; EC 3.2.1.23

Gene ID [12091](#)

mRNA Refseq [NM_009752](#)

Protein Refseq [NP_033882](#)

UniProt ID [P23780](#)

 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