

Recombinant Mouse Glb1 Protein, His-tagged

Cat. No. Glb1-181M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Glb1(Ser192~Pro432) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser192~Pro432
Description	This gene encodes a preproprotein that is proteolytically cleaved to yield a signal peptide and a proproteins 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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	28.8kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	Glb1 galactosidase, beta 1 [<i>Mus musculus</i>]
Official Symbol	Glb1
Synonyms	GLB1; galactosidase, beta 1; beta-galactosidase; lactase; acid beta-galactosidase; beta-galactosidase complex; beta-galactosidase temporal; beta-galactosidase electrophoretic; beta-galactosidase systemic regulator; Bge; Bgl; Bgs; Bgt; Bgl-e; Bgl-s; Bgl-t; AW125515; C130097A14Rik;
Gene ID	12091
mRNA Refseq	NM_009752
Protein Refseq	NP_033882

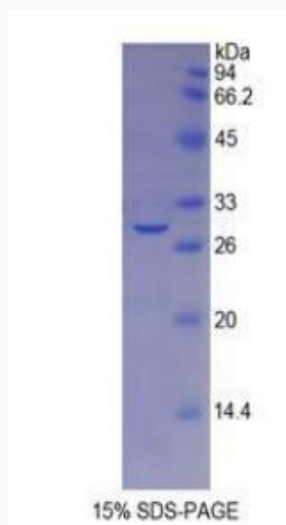
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