

Recombinant Human GLB1 293 Cell Lysate

Cat. No. GLB1-5909HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for galactosidase, beta 1 (GLB1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

MIM

611458

UniProt ID

P16278

**Chromosome
Location**

3p22.3

Pathway

Galactose metabolism, organism-specific biosystem; Galactose metabolism, conserved biosystem; Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Glycosphingolipid biosynthesis - ganglio series, organism-specific biosystem; Glycosphingolipid

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biosynthesis - ganglio series, conserved biosystem; Glycosphingolipid metabolism, organism-specific biosystem;

Function

beta-galactosidase activity; cation binding; galactoside binding; hydrolase activity, hydrolyzing O-glycosyl compounds; protein binding;

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