

Recombinant Human GLB1 293 Cell Lysate

Cat. No. GLB1-5910HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for galactosidase, beta 1 (GLB1), transcript variant 2 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.
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

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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_001079811
Protein Refseq	NP_001073279
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 biosynthesis - ganglio series, conserved biosystem; Glycosphingolipid metabolism, organism-specific biosystem;

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Function

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

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