Human GLB1 Knockdown Cell Lysate

Cat. No. GLB1-175HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated GLB1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the glycosyl hydrolase 35 family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature lysosomal enzyme. This enzyme catalyzes the hydrolysis of a terminal beta-linked galactose residue from ganglioside substrates and other glycoconjugates. Mutations in this gene may result in GM1-gangliosidosis and Morquio B syndrome.
Form	Cell-Tissue Lysis buffer
Molecular Mass	76 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg GLB1 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Galactose metabolism, Glycosaminoglycan degradation, Glycosphingolipid biosynthesis - ganglio series, Lysosome, Metabolic pathways, Other glycan degradation, Sphingolipid metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	GLB1 galactosidase, beta 1 [Homo sapiens (human)]
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

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