Recombinant Human AGL 293 Cell Lysate

Cat. No. AGL-8979HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (AGL), 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	AGL amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase [Homo sapiens]
Official Symbol	AGL
Synonyms	AGL; amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase; amylo 1, 6 glucosidase, 4 alpha glucanotransferase; glycogen debranching enzyme; glycogen storage disease type III; glycogen debrancher; amylo-1, 6-glucosidase, 4-alpha-glucanotransferase; GDE;
Gene ID	178
mRNA Refseq	NM_000642
Protein Refseq	NP_000633
MIM	610860
UniProt ID	P35573
Chromosome Location	1p21
Pathway	Glucose metabolism, organism-specific biosystem; Glycogen Metabolism, organism-specific biosystem; Glycogen breakdown (glycogenolysis), organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-

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	specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Starch and sucrose metabolism, organism-specific biosystem;
Function	4-alpha-glucanotransferase activity; amylo-alpha-1,6-glucosidase activity; cation binding; glycogen debranching enzyme activity; hydrolase activity, acting on glycosyl bonds; polysaccharide binding; polyubiquitin binding; protein binding; sugar binding; transferase activity, transferring glycosyl groups;

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