Recombinant Human ABCD1 293 Cell Lysate

Cat. No. ABCD1-9149HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ATP-binding cassette, sub-family D (ALD), member 1 (ABCD1) 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	ABCD1 ATP-binding cassette, sub-family D (ALD), member 1 [Homo sapiens]
Official Symbol	ABCD1
Synonyms	ABCD1; ATP-binding cassette, sub-family D (ALD), member 1; ALD; ATP-binding cassette sub-family D member 1; adrenoleukodystrophy; ALDP; AMN; adrenoleukodystrophy protein; ABC42;
Gene ID	215
mRNA Refseq	NM_000033
Protein Refseq	NP_000024
MIM	300371
UniProt ID	P33897
Chromosome Location	Xq28
Pathway	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; ABCA transporters in lipid homeostasis, organism-specific biosystem; Beta-oxidation of very long chain fatty acids, organism-specific biosystem; Metabolism, organism-

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	specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;
Function	ATP binding; ATPase activity; ATPase activity, coupled to transmembrane movement of substances; identical protein binding; nucleotide binding; peroxisomal fatty-acyl-CoA transporter activity; protein binding; transporter activity;

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