Recombinant Human PHYH 293 Cell Lysate

Cat. No. PHYH-3213HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for phytanoyl-CoA 2-hydroxylase (PHYH), 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	PHYH phytanoyl-CoA 2-hydroxylase [Homo sapiens]
Official Symbol	PHYH
Synonyms	PHYH; phytanoyl-CoA 2-hydroxylase; phytanoyl CoA hydroxylase , phytanoyl CoA hydroxylase (Refsum disease); phytanoyl-CoA dioxygenase, peroxisomal; PAHX; PHYH1; phytanoyl CoA dioxygenase; RD; Refsum disease; phytanic acid oxidase; phytanoil-CoA alpha hydroxylase; phytanoyl-CoA alpha-hydroxylase; phytanoyl-CoA 2 oxoglutarate dioxygenase; LN1; LNAP1;
Gene ID	5264
mRNA Refseq	NM_006214
Protein Refseq	NP_006205
MIM	602026
UniProt ID	O14832
Chromosome Location	10p13
Pathway	Alpha-oxidation of phytanate, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific

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	biosystem; Peroxisomal lipid metabolism, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
Function	L-ascorbic acid binding; cofactor binding; electron carrier activity; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; phytanoyl-CoA dioxygenase activity; protein binding;

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