Recombinant Human PIPOX 293 Cell Lysate

Cat. No. PIPOX-3170HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for pipecolic acid oxidase (PIPOX) 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	PIPOX pipecolic acid oxidase [Homo sapiens]
Official Symbol	PIPOX
Synonyms	PIPOX; pipecolic acid oxidase; peroxisomal sarcosine oxidase; L pipecolic acid oxidase; LPIPOX; PSO; L-pipecolate oxidase; L-pipecolic acid oxidase;
Gene ID	51268
mRNA Refseq	NM_016518
Protein Refseq	NP_057602
UniProt ID	Q9P0Z9
Chromosome Location	17p13.2
Pathway	Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; Metabolic pathways, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
Function	L-pipecolate oxidase activity; L-pipecolate oxidase activity; oxidoreductase activity;

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