Recombinant Human AASDHPPT cell lysate

Cat. No. AASDHPPT-2HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	The protein encoded by this gene is similar to Saccharomyces cerevisiae LYS5, which is required for the activation of the alpha-aminoadipate dehydrogenase in the biosynthetic pathway of lysine. Yeast alpha-aminoadipate dehydrogenase converts alpha-biosynthetic-aminoadipate semialdehyde to alpha-aminoadipate. It has been suggested that defects in the human gene result in pipecolic acidemia.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	AASDHPPT aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase [Homo sapiens]
Official Symbol	AASDHPPT
Synonyms	AASDHPPT; aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase; L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl

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	transferase; AASD PPT; CGI 80; LYS5; LYS5 ortholog; 4-phosphopantetheinyl transferase; alpha-aminoadipic semialdehyde dehydrogenase-phosphopantetheinyl transferase; LYS2; CGI-80; AASD-PPT;
Gene ID	60496
mRNA Refseq	NM_015423
Protein Refseq	NP_056238
MIM	607756
UniProt ID	Q9NRN7
Chromosome Location	11q22
Pathway	Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; Pantothenate and CoA biosynthesis, organism-specific biosystem; Pantothenate and CoA biosynthesis, conserved biosystem; Vitamin B5 (pantothenate) metabolism, organism-specific biosystem; acyl carrier protein metabolism, organism-specific biosystem;
Function	holo-[acyl-carrier-protein] synthase activity; magnesium ion binding; protein binding; transferase activity;

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