

Recombinant Human AASDHPPT Protein, GST-tagged

Cat. No. AASDHPPT-025H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human AASDHPPT full-length ORF (AAH15470, 1 a.a. - 309 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is similar to <i>Saccharomyces cerevisiae</i> 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. [provided by RefSeq, Jul 2008]
Molecular Mass	59.73 kDa
AA Sequence	MVFPKRFLVPSMEGVRWAFSCGTWLPSRAEWLLAVRSIQPEEKERIGQFVFARD AKAAMAGRLMIRKLVAEKLNIPWNHIRLQRTARGKPV LAKDSSNPYPNFNFNISHQG DYAVLAAEPELQVGIDIMKTSFPGRGSIPFFHIMKRKFTNKEWETIRSFKDEWTQLD MFYRNWALKESFIKAIGAGLGFELQRLEFDLSPLNLDIGQVYKETRLFLDGEEKEW AFEESKIDEHFFVAVALRKP DGSRHQDVPSQDDSKPTQRQFTILNFNDLMSSAVPM TPEDPSFWDCFCFTEEIPIRNGTKS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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 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

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