

## Recombinant Human AASDHPPT, His-tagged

**Cat. No.** AASDHPPT-797H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human AASDHPPT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. MW = 36.4 kDa(316aa), confirmed by MALDI-TOF.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	AASDHPPT belongs to the P-Pant transferase superfamily. This protein catalyzes the post-translational modification of target proteins by phosphopantetheine and can transfer the 4"-phosphopantetheine moiety from coenzyme A to a serine residue of a broad range of acceptors, such as the acyl carrier domain of FASN (in vitro). It is detected in heart, skeletal muscle, placenta, testis, brain, pancreas, liver and kidney.
<b>Sequences Of Amino Acids</b>	MGSSHHHHHH SGLVPRGSH MEGVRWAFSC GTWLPSRAEW LLAVRSIQPE EKERIGQFVF ARDAKAAMAG RLMIRKLVAE KLNIPWNHIR LQRTAKGKPV LAKDSSNPYP NFNFNISHQG DYAVLAAEPE LQVGIDIMKT SFPGRGSIPE FFHIMKRKFT NKEWETIRSF KDEWTQLDMF YRNWALKESF IKAIGVGLGF ELQRLEFDLS PLNLDIGQVY KETRLFLDGE EEKEWAFEES KIDEHHFVAV ALRKPDGSRH QDVPSQDDSK PTQRQFTILN FNDLMSSAVP MTPEDPSFWD CFCFTEEIPI RNGTKS
<b>Purity</b>	> 95% by SDS – PAGE.
<b>Form</b>	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1 mM DTT, 10% Glycerol.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Storage</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	AASDHPPT aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase [ Homo sapiens ]
<b>Synonyms</b>	AASDHPPT; aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase; LYS2; LYS5; CGI-80; AASD-PPT; DKFZp566E2346; L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase; LYS5 ortholog; 4"-phosphopantetheinyl transferase; alpha-aminoadipic semialdehyde dehydrogenase-phosphopantetheinyl transferase; EC 2.7.8.-
<b>Gene ID</b>	60496
<b>mRNA Refseq</b>	NM_015423
<b>Protein Refseq</b>	NP_056238
<b>MIM</b>	607756
<b>UniProt ID</b>	Q9NRN7
<b>Chromosome Location</b>	11q22
<b>Pathway</b>	Lysine biosynthesis; Lysine degradation; Metabolic pathways

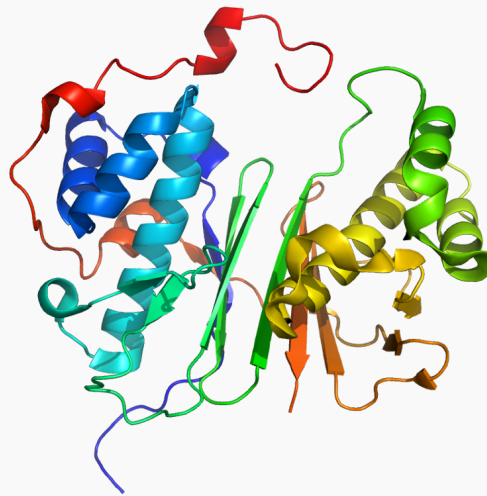
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**Function**

holo-[acyl-carrier-protein] synthase activity; magnesium ion binding; protein binding; transferase activity



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