

Recombinant Human AASDHPPT, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MEGVRWAFSC GTWLPSRAEW LLAVRSIQPE EKERIGQFVF ARDAKAAMAG RLMIRKLVAE KLNIPWNHIR LQRTAKGKPV LAKDSSNPYP NFNFNISHQG DYAVLAAEPE LQVGIDIMKT SFPGRGSIPE FFHIMKRKFT NKEWETIRSF KDEWTQLDMF YRNWALKESF IKAIGVGLGF ELQRLEFDLS PLNLDIGQVY KETRLFLDGE EEKEWAFEEES KIDEHHFVAV ALRKPDGSRH QDVPSQDDSK PTQRQFTILN FNDLMSSAVP MTPEDPSFWD CFCFTEEIPI RNGTKS
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1 mM DTT, 10% Glycerol.

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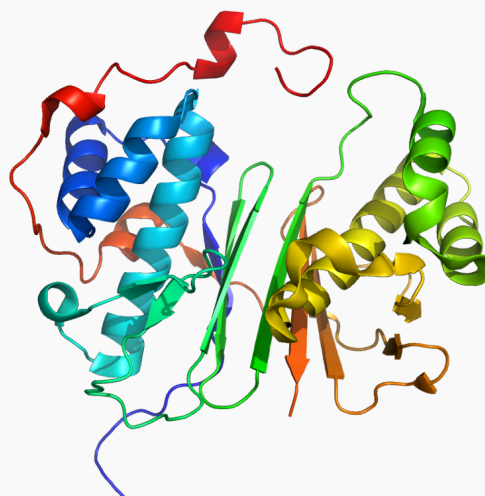
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Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	AASDHPPT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

Function

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



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