OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR09678PU-L

AASDHPPT (14-309, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	AASDHPPT (14-309, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH 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
Tag:	His-tag
Predicted MW:	36.4 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 1 mM DTT, 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human AASDHPPT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_056238
Locus ID:	60496
UniProt ID:	Q9NRN7
Cytogenetics:	11q22.3
Synonyms:	AASD-PPT; ACPS; CGI-80; LYS2; LYS5

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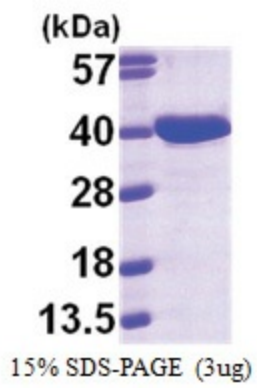
Summary: The protein encoded by this gene is similar to Saccharomyces cerevisiae LYS5, which is required for the activation of the alpha-aminoadipate dehydrogenase in the biosynthetic pathway of lysine. Yeast alpha-aminoadipate dehydrogenase converts alpha-biosynthetic-aminoadipate semialdehyde to alpha-aminoadipate. It has been suggested that defects in the human gene result in pipecolic acidemia. [provided by RefSeq, Jul 2008]

Protein Pathways: Lysine biosynthesis, Lysine degradation, Metabolic pathways

Product images:



15% SDS-PAGE (3ug)