

Product information



AASDHPPT, 14-309aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBsATGP0740

Full name: L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase

Synonyms: AASD-PPT, CGI-80, LYS2, LYS5

NCBI Accession No.: NP_056238

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. Recombinant human AASDHPPT protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

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| <p>Form: Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1 mM DTT, 10% Glycerol</p> <p>Molecular Weight: 36.4 kDa(316aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p> | <p>(kDa) 57 40 28 18 13.5</p> <p>15% SDS-PAGE (3µg)</p> |
| <p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSSLVPRGSH 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</p> | |

General references:

Krupenko SA., *et al.* (2010) *J Biol Chem.* 285(3):1627-33.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Geraghty MT., *et al.* (2001) *Mol Genet Metab.* 72(4):336-42.

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.

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