

Product: AASDHPPT (14-309aa, His-tagged), Human
Catalog #: 01-1778
Amount: 20 µg

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.

NCBI Accession No.: NP_056238

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

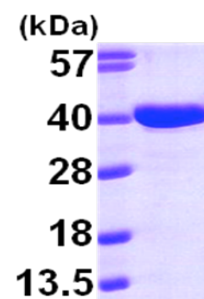
Synonyms: AASD-PPT, CGI-80, LYS2, LYS5

AA Sequence:

MGSSHHHHHHH SSGLVPRGSH MEGVRWAFSC GTWLPSRAEW LLAVRSIQPE EKERIGQFVF
 ARDAKAAMAG RLMIRKLVAE KLNIPWNHIR LQRTAKGKPV LAKDSSNPYP NFNFNISHQG
 DYAVLAAEPE LQVGIDIMKT SFPGRGSIPE FFHIMKRKFT NKEWETIRSF KDEWTQLDMF
 YRNWALKESF IKAIGVGLGF ELQRLEFDLS PLNLDIGQVY KETRLFLDGE EEKEWAFEEES
 KIDEHHFVAV ALRKP DGSRH QDVPSQDDSK PTQRQFTILN FNDLMSSAVP MTPEDPSFWD
 CFCFTEEIPI RNGTHS

SOURCE: Recombinant, His-tagged (N), *E. coli* expression system
MOLECULAR WEIGHT: 36.4 kDa (316aa), confirmed by MALDI-TOF
PURITY: > 95% by SDS PAGE
FORM: Purified, in 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT
ENDOTOXIN:
CONCENTRATION: 1 mg/ml (Bradford Assay)
STORAGE: -20°C (aliquot), Avoid repeated freeze and thaw cycles

REFERENCE:
 Krupenko SA., et al. (2010) J Biol Chem. 285(3):1627-1633
 Geraghty MT., et al. (2001) Mol Genet Metab. 72(4):336-342



15% SDS-PAGE (3µg)

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