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Recombinant human AA protein

Catalog Number: ATGP0740

PRODUCT INFORMATION

Expression system

E.coli

Domain

14-309aa

UniProt No.

O9NRN7

NCBI Accession No.

NP 056238

Alternative Names

L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase, AASD-PPT, CGI-80, LYS2, LYS5, L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase

PRODUCT SPECIFICATION

Molecular Weight

36.4 kDa (316aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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



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chromatography.

Amino acid Sequence

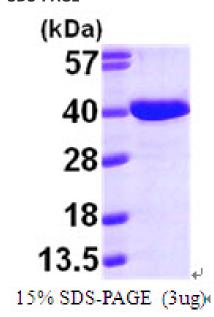
MGSSHHHHHH SSGLVPRGSH MEGVRWAFSC GTWLPSRAEW LLAVRSIQPE EKERIGQFVF ARDAKAAMAG RLMIRKLVAE KLNIPWNHIR LQRTAKGKPV LAKDSSNPYP NFNFNISHQG DYAVLAAEPE LQVGIDIMKT SFPGRGSIPE FFHIMKRKFT NKEWETIRSF KDEWTQLDMF YRNWALKESF IKAIGVGLGF ELQRLEFDLS PLNLDIGQVY KETRLFLDGE EEKEWAFEES KIDEHHFVAV ALRKPDGSRH QDVPSQDDSK PTQRQFTILN FNDLMSSAVP MTPEDPSFWD CFCFTEEIPI RNGTKS

General References

Krupenko SA., et al. (2010) J Biol Chem. 285(3):1627-33. Geraghty MT., et al. (2001) Mol Genet Metab. 72(4):336-42.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

