# **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 14-309aa

**UniProt No.** Q9NRN7

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



chromatography.

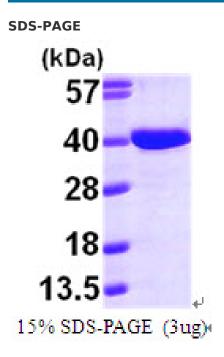
## **Amino acid Sequence**

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



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

