

Aminoadipate-Semialdehyde Dehydrogenase-Phosphopantetheinyl Transferase Recombinant Protein | AASDHPPT recombinant protein

Recombinant Human Aminoadipate-Semialdehyde Dehydrogenase-Phosphopantetheinyl Transferase

CATALOG # AAA10883	HOST E Coli
------------------------------	-----------------------

PRODUCT SYNONYMS

Aminoadipate-Semialdehyde Dehydrogenase-Phosphopantetheinyl Transferase; Recombinant Human Aminoadipate-Semialdehyde Dehydrogenase-Phosphopantetheinyl Transferase; AASDHPPT Human; Aminoadipate-Semialdehyde Dehydrogenase-Phosphopantetheinyl Transferase Human Recombinant; L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase; 4'-phosphopantetheinyl transferase; Alpha-aminoadipic semialdehyde dehydrogenase-phosphopantetheinyl transferase; AASD-PPT; LYS5 ortholog; AASDHPPT; LYS2; LYS5; CGI-80; DKFZp566E2346; AASDHPPT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The AASDHPPT solution (1 mg/ml) contains 20mM Tris-HCl Buffer (pH 8.0), 1mM DTT and 10% Glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMEG VRWAFSCGTW LPSRAEWLLA VRSIQPEEKE RIGQFVFARD AKAAMAGRLM IRKLVAEKLN IPWNHIRLQR TAKGKPVLAQ DSSNPYPNFN FNISHQGDYA VLAAEPQLQV GIDIMKTSFP GRGSIPEFFH IMKRKFTNKE WETIRSFKDE WTQLDMFYRN WALKESFIKA IGVLGFELQ RLEFDLSPLN LDIGQVYKET RLFLDGEEEK EWAFEEKID EHHFVAVALR KPDGSRHQDV PSQDDSKPTQ RQFTILNFND LMSSAVPMTP EDPSFWDCFC FTEEIPIRNG TKS
Sequence Length	309

ADDITIONAL INFORMATION

Related Product Information for AASDHPPT recombinant protein	Description: AASDHPPT Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E Coli is a single, non-glycosylated, polypeptide chain containing 316 amino acids (14-309 a.a.) and having a molecular mass of 36.4kDa. The AASDHPPT is purified by proprietary chromatographic techniques. Introduction: AASDHPPT is a member of the P-Pant transferase superfamily. AASDHPPT 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). AASDHPPT is similar to Saccharomyces cerevisiae LYS5, which is required for the activation of the alpha-aminoadipate dehydrogenase in the biosynthetic pathway of lysine. AASDHPPT is found in the heart, skeletal muscle, placenta, testis, brain, pancreas, liver and kidney. It's been suggested that defects in the human AASDHPPT gene result in pipecolic acidemia.
Product Categories/Family for AASDHPPT recombinant protein	Enzymes; Transferase

NCBI AND UNIPROT INFORMATION

NCBI GI #	20357568
NCBI GeneID	60496
NCBI Accession #	NP_056238.2
NCBI GenBank Nucleotide #	NM_015423.2

UniProt Accession #	Q9NRN7 ; Q9C068 ; Q9P0Q3 ; Q9UG80 ; Q9Y389 ; B2R6D1 ; B4DDW7
Molecular Weight	15,574 Da
NCBI Official Full Name	L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase
NCBI Official Synonym Full Names	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase
NCBI Official Symbol	AASDHPPT
NCBI Official Synonym Symbols	LYS2; LYS5; CGI-80; AASD-PPT
NCBI Protein Information	L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase; 4'-phosphopantetheinyl transferase; LYS5 ortholog; alpha-aminoadipic semialdehyde dehydrogenase-phosphopantetheinyl transferase
UniProt Protein Name	L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase
UniProt Gene Name	AASDHPPT
UniProt Synonym Gene Names	AASD-PPT
UniProt Entry Name	ADPPT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/aasdhpt-recombinant-protein-e-coli/10883>