

Recombinant Human AASDHPPT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AASDHPPT-1479H Lot. No. (See product label)

SPECIFICATION

Product Overview	AASDHPPT MS Standard C13 and N15-labeled recombinant protein (NP_056238) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is similar to <i>Saccharomyces cerevisiae</i> LYS5, which is required for the activation of the alpha-aminoadipate dehydrogenase in the biosynthetic pathway of lysine. Yeast alpha-aminoadipate dehydrogenase converts alpha-biosynthetic-aminoadipate semialdehyde to alpha-aminoadipate. It has been suggested that defects in the human gene result in pipecolic acidemia.
Molecular Mass	35.8 kDa
AA Sequence	MVFPKRFLVPSMEGVRWAFSCGTWLPSRAEWLLAVRSIQPEEKERIGQFVFARD AKAAMAGRLMIRKLVAEKLNIPWNHIRLQRTAKGKPVLAKDSSNPYPNFNFNISHQG DYAVLAAEPELQVGIDIMKTSFPGRGSIPPEFFHIMKRKFTNKEWETIRSFKDEWTQLD MFYRNWALKESFIKAIGVGLGFELQRLEFDLSPLNLDIGQVYKETRLFLDGEEKEW AFEESKIDEHHFVAVALRKP DGSRHQDVPSQDDSKPTQRQFTILNFNDLMSSAVPM TPEDPSFWDCFCFTEEIPRNGTKSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	AASDHPPT aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase [Homo sapiens (human)]
Official Symbol	AASDHPPT
Synonyms	AASDHPPT; aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase; L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase; AASD PPT; CGI 80; LYS5; LYS5 ortholog; 4-phosphopantetheinyl transferase; alpha-aminoadipic semialdehyde dehydrogenase-phosphopantetheinyl transferase; LYS2; CGI-80; AASD-PPT;
Gene ID	60496
mRNA Refseq	NM_015423
Protein Refseq	NP_056238
MIM	607756
UniProt ID	Q9NRN7

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