

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

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

### SPECIFICATION

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

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

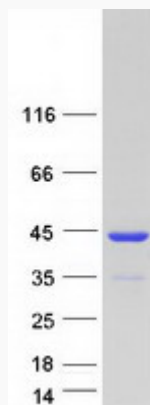
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | AASDHPPT aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase [ Homo sapiens (human) ]                                                                                                                                                                                                                                     |
| <b>Official Symbol</b> | AASDHPPT                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 60496                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_015423                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_056238                                                                                                                                                                                                                                                                                                                                     |
| <b>MIM</b>             | 607756                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>      | Q9NRN7                                                                                                                                                                                                                                                                                                                                        |

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**SDS-PAGE**

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