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Product datasheet for TP305091M

AASDHPPT (NM_015423) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase (AASDHPPT), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205091 protein sequence Red=Cloning site Green=Tags(s) MVFPAKRFCLVPSMEGVRWAFSCGTWLPSRAEWLLAVRSIQPEEKERIGQFVFARDAKAAMAGRLMIRKL VAEKLNIPWNHIRLQRTAKGKPVLAKDSSNPYPNFNFNISHQGDYAVLAAEPELQVGIDIMKTSFPGRGS IPEFFHIMKRKFTNKEWETIRSFKDEWTQLDMFYRNWALKESFIKAIGVGLGFELQRLEFDLSPLNLDIG QVYKETRLFLDGEEEKEWAFEESKIDEHHFVAVALRKPDGSRHQDVPSQDDSKPTQRQFTILNFNDLMSS AVPMTPEDPSFWDCFCFTEEIPIRNGTKS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	35.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_056238
Locus ID:	60496

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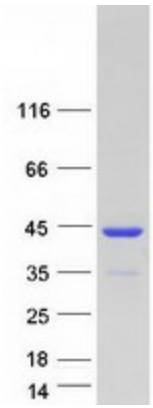
UniProt ID:	Q9NRN7
RefSeq Size:	2880
Cytogenetics:	11q22.3
RefSeq ORF:	927
Synonyms:	AASD-PPT; ACPS; CGI-80; LYS2; LYS5
Summary:	The protein encoded by this gene is similar to Saccharomyces cerevisiae LYS5, which is required for the activation of the alpha-aminoadipate dehydrogenase in the biosynthetic 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. [provided by RefSeq, Jul 2008]
Protein Pathways:	Lysine biosynthesis, Lysine degradation, Metabolic pathways

Product images:



Coomassie blue staining of purified AASDHPPT protein (Cat# [TP305091]). The protein was produced from HEK293T cells transfected with AASDHPPT cDNA clone (Cat# [RC205091]) using MegaTran 2.0 (Cat# [TT210002]).