

Product datasheet for PH305091

AASDHPPT (NM_015423) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AASDHPPT MS Standard C13 and N15-labeled recombinant protein (NP_056238)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205091
Predicted MW:	35.8 kDa
Protein Sequence:	>RC205091 protein sequence Red=Cloning site Green=Tags(s)

MVFPKRFCLVPSMEGVRWAFSCGTWLP SRAEWLLAVRSIQPEEKERIGQFVFARDAKAAMAGRLMIRKL
VAEKLNI PWNHIRLQRTAKGKPV LAKDSSNPYPNFNFNISHQGDYAVLAAEPELQV GIDIMKTSFPGRGS
IPEFFHIMKRKFTNKEWETIRSFKDEWTQLDMFYRNWALKESFIKAI GVLGFELQRLEFDL SPLNLDIG
QVYKETRLFLDGEEKEWAFEESKIDEHHFVAVALRKP DGRHQDVPSQDDSKPTQRQFTILNFNDLMSS
AVPMPEDPSFWDCFCFTEEIPIRNGTKS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_056238
RefSeq Size:	2880
RefSeq ORF:	927
Synonyms:	AASD-PPT; ACPS; CGI-80; LYS2; LYS5
Locus ID:	60496



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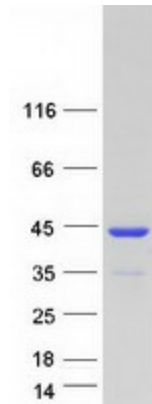
UniProt ID: [Q9NRN7](#)

Cytogenetics: 11q22.3

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]).