

Product datasheet for PH306564

ASPA (NM_000049) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ASPA MS Standard C13 and N15-labeled recombinant protein (NP_000040)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206564
Predicted MW:	35.7 kDa
Protein Sequence:	>RC206564 protein sequence Red=Cloning site Green=Tags(s) MTSCHIAEEHIQKVAIFGGTHGNELTGVFLVKHWLENGAEIQRTGLEVKPFITNPRAVKCKTRYIDCDLN RIFDLENLGGKMSEDLPYEVRRAQEINHLFGPKDSESDYDIIFDLHNTTSMGCTLILEDNRNNFLIQMF HYIKTSLAPLPCYVYLIEHPSLKYATTRSIKYPVGIIEVGPQPGVLRADILDQMRKMIKHALDFIHFN EGKEFPPCAIEVYKIIIEKVDPDENGIEAAIIHPNLQDQDWKPLHPGDPMFLTLDGKTIPLGGDCTVYP VFNAAAYYEKKEAFKTTKLTNAKSIRCLH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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:	<u>NP_000040</u>
RefSeq Size:	1435
RefSeq ORF:	939
Synonyms:	ACY2; ASP
Locus ID:	443



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UniProt ID: [P45381](#), [Q6FH48](#)

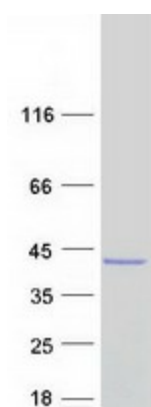
Cytogenetics: 17p13.2

Summary: This gene encodes an enzyme that catalyzes the conversion of N-acetyl_L-aspartic acid (NAA) to aspartate and acetate. NAA is abundant in the brain where hydrolysis by aspartoacylase is thought to help maintain white matter. This protein is an NAA scavenger in other tissues. Mutations in this gene cause Canavan disease. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Alanine, aspartate and glutamate metabolism, Histidine metabolism

Product images:



Coomassie blue staining of purified ASPA protein (Cat# [TP306564]). The protein was produced from HEK293T cells transfected with ASPA cDNA clone (Cat# [RC206564]) using MegaTran 2.0 (Cat# [TT210002]).