

Product datasheet for **TP306564**

ASPA (NM_000049) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aspartoacylase (Canavan disease) (ASPA), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206564 protein sequence Red =Cloning site Green =Tags(s)

MTSCHIAEEHIQKVAIFGGTHGNELTGVFLVKHWLENGAEIQRGTGLEVKPFITNPRAVKKCTRYIDCDLN
RIFDLENLGKKMSEDLPEYVRRRAQEINHLFGPKDSEDSYDIIFDLHNTTSNMGCTLILEDNRNNFLIQMF
HYIKTSLAPLPCYVYLIEHPSLKYATTRSIAKYPVGIEVGPQPQGVLRADILDQMRMKIKHALDFIHFN
EGKEFPPCAIEVYKIIKVDYPRDENGIEAIIHPNLQDQDWKPLHPGDPMFLTLDGKTIPLGGDCTVYP
VFNAAAYYEKKEAFKTTKLTNAKSIRCCLH

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:	<u>NP_000040</u>
Locus ID:	443



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UniProt ID: [P45381, Q6FH48](#)

RefSeq Size: 1435

Cytogenetics: 17p13.2

RefSeq ORF: 939

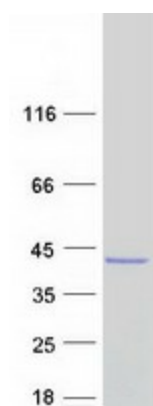
Synonyms: ACY2; ASP

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]).