

Recombinant Human ASPA Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ASPA-422H **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | ASPA MS Standard C13 and N15-labeled recombinant protein (NP_001121557) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| Species | Human |
| Source | HEK293 |
| Description | <p>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]</p> |
| Molecular Mass | 35.7 kDa |
| AA Sequence | <p>MTSCHIAEEHIQKVAIFGGTHGNELTGVFLVKHWLENGAEIQRRTGLEVKPFITNPRAV KKCTRYIDCDLNRIFDLENLGKKMSEDLPYEVRRRAQEIHLFGPKDSEDSYDIIFDLH NTTSNMGCTLILEDSRNNFLIQMFHYIKTSLAPLPCYVYLIEHPSLKYATTRSIAKYPV GIEVGPQPQGVLRADILDQMRKMIKHALDFIHFNNEGKEFPPCAIEVYKIIIEKVDYPRD ENGEIAAIIHPNLQDQDWKPLHPGDPMFLTLDGKTIPLGGDCTVYPVVFVNEAAYYEK KEAFAKTTKLTNAKSIRCCLHTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |

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

GENE INFORMATION

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|------------------------|--|
| Gene Name | ASPA aspartoacylase [Homo sapiens (human)] |
| Official Symbol | ASPA |
| Synonyms | ASPA; aspartoacylase; aspartoacylase (aminoacylase 2, Canavan disease); ACY2; aminoacylase 2; ASP; Canavan disease; ACY-2; aminoacylase-2; |
| Gene ID | 443 |
| mRNA Refseq | NM_001128085 |
| Protein Refseq | NP_001121557 |
| MIM | 608034 |
| UniProt ID | P45381 |

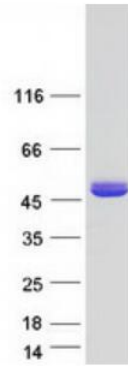
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SDS-PAGE



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