

Recombinant Human ASPA Protein (1-313 aa), His-Myc-tagged

Cat. No. ASPA-2438H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ASPA Protein (1-313 aa) is produced by Yeast expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-313 aa
Description	Catalyzes the deacetylation of N-acetylaspatic acid (NAA) to produce acetate and L-aspartate. NAA occurs in high concentration in brain and its hydrolysis NAA plays a significant part in the maintenance of intact white matter. In other tissues it act as a scavenger of NAA from body fluids.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	39.7 kDa
AA Sequence	MTSCHIAEEHIQKVAIFGGTHGNELTGVFLVKHWLENGAEIQRTGLEVKPFITNPRAV KKCTRYIDCDLNRIFDLENLGKKMSEDLPEYVRRRAQEIHLFGPKDSEDSYDIIFDLH NTTSNMGCTLILEDNRNFIQMFHYIKTSLAPLPCYVYLIEHPSLKYATTRSIKYPV GIEVGPQPQGVLRADILDQMRKMIKHALDFIHHFNEGKEFPFCAIEVYKIIKVDYPRD ENGEIAAIIHPNLQDQDWKPLHPGDPMTLTDGKTIPLGGDCTVYPVVFVNEAAYYEK KEAFAKTTKLTLNAKSIRCCLH

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Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

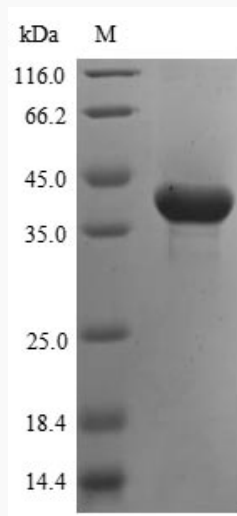
GENE INFORMATION

Gene Name	ASPA aspartoacylase [Homo sapiens]
Official Symbol	ASPA
Synonyms	ASPA; aspartoacylase; ACY2; aminoacylase 2; ASP; Canavan disease; ACY-2; aminoacylase-2;
Gene ID	443
mRNA Refseq	NM_000049
Protein Refseq	NP_000040
MIM	608034
UniProt ID	P45381

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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