

Recombinant Full Length Human ASPA Protein, GST-tagged

Cat. No. ASPA-1056HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human ASPA full-length ORF (NP_000040.1, 1 a.a. - 313 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 313 amino acids

Description

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]

Molecular Mass 62.1 kDa

AA Sequence

MTSCHIAEEH IQKVAIFGGT HGNELTGVFL VKHWLENGAE IQRTGLEVKP
 FITNPRAVKK CTRYIDCDLN RIFDLENLKG KMSDLPYEV RRAQEINHLF
 GPKDSEDSYD IIFDLHNTTS NMGCTLILED SRNNFLIQMF HYIKTSLAPL
 PCYVYLIEHP SLKYATTRSI AKYPVGIEVG PQPQGVLRAD ILDQMRKMIK
 HALDFIHHFN EGKEFPPCAI EVYKIIIEKVD YPRDENGIEA AIIHPNLQDQ
 DWKPLHPGDP MFLTLDGKTI PLGGDCTVYP VFVNEAAYYE KKEAFAKTTK
 LTLNAKSIRC CLH

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ASPA aspartoacylase [Homo sapiens]
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_000049
Protein Refseq	NP_000040
MIM	608034
UniProt ID	P45381

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