

Product information

ASPA, 1-313aa

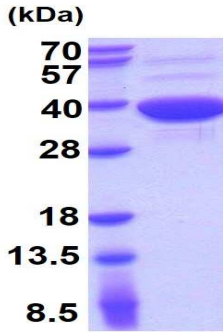
Human, Recombinant, *E.coli*

Cat. No. IBATGP3289

NCBI Accession No.: NP_000040

Synonyms: ACY2, ASP

Description: ASPA also known as aspartoacylase, is expressed in liver, lung and kidney tissue, as well as in skeletal muscle and in cerebral white matter. Existing as a homodimer, ASPA functions to catalyze the deacetylation of N-acetylaspartic acid (NAA) (a protein whose hydrolysis is crucial to maintenance of intact white matter) to produce acetate and L-aspartate. Recombinant human ASPA, was expressed in *E.coli* and purified by conventional chromatography techniques.

<p>Form: Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol</p> <p>Molecular Weight: 35.7 kDa (313 aa)</p> <p>Purity: > 90% by SDS-PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	 <p>(kDa)</p> <p>70</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p> <p>8.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MTSCHIAEEH IQKVAIFGGT HGNELTGVFL VKHWLENGAE IQRTGLEVKP FITNPRAVKK CTRYIDCDLN RIFDLENLGK KMSEDLPEYV RRAQEINHLF GPKDSEDSYD IIFDLHNTTS NMGCTLILED SRNNFLIQMF HYIKTSLAPL PCYVYLIEHP SLKYATTRSI AKYPVGIIEVG PQPQGVLRAD ILDQMRKMIK HALDFIHHFN EGKEFPPCA I EVYKIIIEKVD YPRDENG EIA AIIHPNLQDQ DWKPLHPGDP MFLTLDGKTI PLGGDCTVYP VFNAAAYYE KKEAFKTTK LTLNAKSIRC CLH</p>	

General references:

Le Coq., *et al.* (2006) *Biochemistry* 45: 5878-5884.

Le Coq., *et al.* (2008) *Biochemistry* 47: 3484-3492.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:
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