

# Product information

## ASPA, 1-313aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1421

**Full name:** Aspartoacylase

**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, Aspartoacylase 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 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

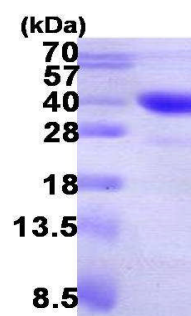
**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

1mM DTT, 0.1M NaCl, 0.1mM PMSF

**Molecular Weight:** 38.1 kDa (336aa), confirmed by MALDI-TOF

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMTSCHIA EEHIQKVAIF GGTHGNELTG VFLVKHWLEN GAEIQRGTGLE VKPFITNPRA VKKCTRYIDC  
DLNRIFDLEN LGKKMSDLP YEVRRAQEIN HLFQPKDSED SYDIIFDLHN TTSNMGCTLI LEDSRNNFLI QMFHYIKTSL APLPCYVYL I  
EHPSLKYATT RSIKYPVGI EVGPQPQGV L RADILDQMRK MIKHALDFIH HFNEGKEFPP CAIEVYKIE KVDYPRDENG EIAAIHPNL  
QDQDWKPLHP GDPMFLTDG KTIPLG DCT VYPVFVNEAA YYEKKEAFK TTKLTNAKS IRCCLH

### 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.**