

Recombinant Human Aspartoacylase, His-tagged

Cat. No. ASPA-1920H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ASPA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Human
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 to produce acetate and L-aspartate.
Form	Liquid. 20mM Tris-HCl buffer (pH 8.0) 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	0.5mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHSSGLVPRGSH MGSMTSCHIA EEHIQKVAIF GGTHGNELTG VFLV KHWLEN GAEIQRGTGLE VKPFITNPRAVKKCTRYIDCDLNRIFDLENLGKKMSDLP YEVRRAQEIN HLFPGKDSSED SYDIIFDLHN TTSNMGCTLI LEDSRNNFLI QMFHYIK TSLAPLPCYVYLIEHPSLKYATTRSI AKYPVGI EVGPQPQGV L RADILDQMRK MIKH ALDFIH HFNEGKEFP CAIEVYKII KVDYPRDENG EIAAIIHPNLQDQDWKPLHPGD PMFLTLDG KTIPLGGDCT YYPVFVNEAA YYEKKEAF AK TTKLTLNAKS IRCCLH

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Storage	Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Pathways	Alanineand aspartate metabolism; Alanine; Histidine metabolism
GENE INFORMATION	
Gene Name	ASPA aspartoacylase [Homosapiens]
Official Symbol	ASPA
Synonyms	ASPA; aspartoacylas; ASP; ACY2; ACY-2; aminoacylase2; aminoacylase-2; EC 3.5.1.15; spartoacylase (aminoacylase 2, Canavandisease); Canavan disease
Gene ID	443
mRNA Refseq	NM_000049
Protein Refseq	NP_000040
MIM	608034
UniProt ID	P45381
Chromosome Location	17p13.3
Function	aminoacylase activity; aspartoacylaseactivity; hydrolase activity; metal ion binding