

AR50246PU-S

Human Aminoacylase-2 / ACY2 (1-313, His-tag) - Purified

Alternate names:	ACY-2, ASP, ASPA, Aspartoacylase
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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-acetylaspatic acid (NAA) (a protein whose hydrolysis is crucial to maintenance of intact white matter) to produce acetate and L-aspartate.
Uniprot ID:	P45381
NCBI:	NP_000040
GeneID:	443
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT, 0.1M NaCl, 0.1mM PMSF
Description:	Recombinant human ASPA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SGLVPRGSH MGSMTSCHIA EEHIQKVAIF GGTHGNETLG VFLVKHWLEN GAEIQRGTGLE VKPFITNPRA VKKCTRYIDC DLNRIFDLEN LGKKMSEDLP YEVRRAQEIN HLFGPKDSED SYDIIFDLHN TTSNMGCTLI LEDSRNNFLI QMFHYIKTSL APLPCYVYLI EHPSLKYATT RSIKYPVGI EVGPQPQGV L RADILDQMRK MIKHALDFIH HFNEGKEFPP CAIEVYKIE KVDYPRDENG EIAAIIHPNL QDQDWKPLHP GDPMFLTLDG KTIPLGGDCT VYPVFNVEAA YYEKKEAFK TTKLTLNAKS IRCCLH Molecular weight: 38.1 kDa (336aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Le Coq. et al. (2006) Biochemistry 45: 5878-5884. Le Coq. et al. (2008) Biochemistry 47: 3484-3492.