

AR39076PU-N**Human Aminoacylase-3 / ACY3 (1-319, His-tag) - Purified**

Alternate names:	ASPA2, Acylase III, Aspartoacylase-2, Hepatitis C virus core-binding protein 1
Quantity:	50 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	Aminoacylase-3, also known as ACY3, is member of the Aspartoacylase subfamily. It plays an important role in deacetylating mercapturic acids in kidney proximal tubules. ACY3 localizes to the cytoplasm of S2 and S3 proximal tubules and to the apical domain of S1 proximal tubules. ACY3 protein is also expressed at low levels in stomach, testis, heart, brain, lung and liver, and may function as an HCV (Hepatitis C virus) core binding protein.
Uniprot ID:	Q96HD9
NCBI:	NP_542389
GeneID:	91703
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl
Description:	Recombinant human ACY3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSMCSLPVP</u> REPLRRVAVT GGTHGNEMSG VYLARHWLHA PAELQRASFS AVPVLANPAA TSGCRRYVDH DLNRTFTSSF LNSRPTPDDP YEVTRARELN QLLGPKASGQ AFDFVLDLHN TTANMGTCCLI AKSSHEVFAM HLCRHLQLQY PELSCQVFLY QRSGEESYNL DSVAKNGLGL ELGPPQGVV RADIFSRMRT LVATVLDLDFIE LFNQGTAFPA FEMEAYRPVG VVDFPRTEAG HLAGTVHPQL QDRDFQPLQP GAPIFQMFSG EDLLYEGEST VYPVFINEAA YYEKGVAHVQ TEKFTFTVPA MPALTPAPSP AS Molecular weight: 37.6 kDa (342aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Chen Y R., et al. (2009) J Gastroenterol Hepatol. 24(7):1300-4. Pushkin A., et al. (2004). Am J Physiol Cell Physiol. 286(4):C848-56.

Pictures:

Recombinant human ACY3, 1-319 aa, His-tagged

