

Product information

ACY3, 1-319 aa

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

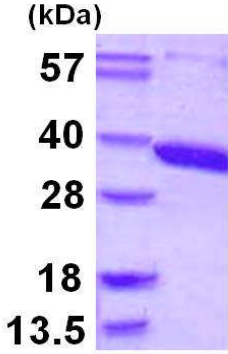
Cat. No. IBATGP1136

Full name: Aspartoacylase 3

NCBI Accession No.: NP_542389

Synonyms: ACY-3, HCBP1, Aminoacylase-3

Description: Aspartoacylase 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. Recombinant human ACY3 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl</p> <p>Molecular Weight: 37.6 kDa (342aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	<p>(kDa)</p>  <p>15% SDS-PAGE (3ug)</p>
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Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMCSLPVP REPLRRVAVT GGTHGNEMSG VYLARHWLHA PAELQRASFS AVPVLANPAA TSGCRRYVDH
 DLNRTFTSSF LNSRPTDDP YEVTRARELN QLLGPKASGQ AFDVLDLHN TTANMGTCLE AKSSHEVFAM HLCRHLQLQY PELSCQVFLY
 QRSGEESYNL DSVAKNGLGL ELGPQPQGV L RADIFSRMRT LVATVLDLIE LFNQGTAFPA FEMEAYRPVG VVDFPRTEAG HLAGTVHPQL
 QDRDFQPLQP GAPIFQMFSG EDLLYEGEST VYPVFINEAA YYEKGVAQVQ TEKFTFTVPA MPALTPAPSP AS

General references:

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.

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.