
Product Data Sheet

Product Name: ACY3 Human
 Cat. No.: GP21351
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Aspartoacylase-2; Acylase III; Aminoacylase-3; ACY-3; Hepatitis C virus core-binding protein 1; HCBP1; ACY3; ASPA2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMCSLPVP REPLRRVAVT GGTHGNEMSG VYLARHWLHA PAELQRASFS AVPVLANPAA TSGCRRYVDHDLNRTFTSSF LNSRPTDDP YEVTARELN QLLGPKASGQ AFDFVLDLHN TTANMGTCI AKSSHEVFAM HLCRHLQLQY PELSCQVFLY QRSGEESYNL DSVAKNGLGL ELGPQPQGV L RADIFSRMRT LVATVLDLIE LFNQGTAFPA FEMEAYRPVG VVDFPRTEAG HLAGTVHPQL QDRDFQPLQP GAPIFQMFSG EDLLYEGEST VYPVFINEAA YYEKGVAHVQ TEKFTFTVPA MPALTPAPSP AS.		
Formulation	ACY3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.		

Introduction

Aspartoacylase 3 (ACY3) belongs to the Aspartoacylase subfamily. ACY3 has a vital role in deacetylating mercapturic acids in kidney proximal tubules. Aspartoacylase 3 localizes to the cytoplasm of S2 and S3 proximal tubules and also to the apical domain of S1 proximal tubules. In addition, ACY3 protein is expressed at low levels in the stomach, testis, heart, brain, lung and liver, and can function as an HCV (Hepatitis C virus) core binding protein.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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ACY3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 342 amino acids (1-319 a.a.) and having a molecular mass of 37.6kDa. ACY3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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