

Recombinant Human ACY3, His-tagged

Cat. No. ACY3-26720TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ACY3 with an N terminal His tag; 342 amino acids with tag, Predicted MWt 37.6 kDa.
Species	Human
Source	E.coli
ProteinLength	319 amino acids
Description	Plays an important role in deacetylating mercapturic acids in kidney proximal tubules.
Conjugation	HIS
Molecular Weight	37.600kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MGSSHHHHHSSGLVPRGSHMGSMCSLPVPREPLRRVAVTGGTHGNEMSGVYLA
 RHWLHAPAE LQRASFS AVPVLANPAATSGCRRYVDHDLNRTFTSSFLNSRPTPDDP
 YEVT RARELNQLLGPKASGQAFDFVLDLHNTTANMGTC LIAKSSHEVFAMHLCRHL
 QLQYPELSCQVFLYQRSGEESYNLDSVAKNGLGLELGPQPQGVLRADIFSRMRTL
 ATVLD FIELFNQGTAFPAFEMEAYRPVGVVDFPRTEAGHLAGTVHPQLQDRDFQPL
 QPGAPIFQMFSGEDLLYEGESTVYPVFINEAAYYEKGVAFVQTEKFTFTVPAMPALT
 PAPSPAS

Sequence Similarities

Belongs to the AspA/AstE family. Aspartoacylase subfamily.

GENE INFORMATION

Gene Name

ACY3 aspartoacylase (aminocyclase) 3 [Homo sapiens]

Official Symbol

ACY3

Synonyms

ACY3; aspartoacylase (aminocyclase) 3; aspartoacylase-2; ACY 3; HCBP1; MGC9740;

Gene ID

91703

mRNA Refseq

NM_080658

Protein Refseq

NP_542389

Uniprot ID

Q96HD9

Chromosome Location

11q13

Pathway

Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine,

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aspartate and glutamate metabolism, conserved biosystem; Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem;

Function

aminoacylase activity; hydrolase activity, acting on ester bonds; identical protein binding; metal ion binding;

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