

Recombinant Human ACY3 Protein (His Tag)

Catalog No. PKSH032781

Note: Centrifuge before opening to ensure complete recovery of vial contents.

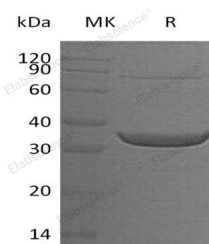
Description

Synonyms	N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming);ACY3;Acylase III;Aminoacylase-3;ACY-3;Aspartoacylase-2;Hepatitis C virus core-binding protein 1;HCBP1;HCV core-binding protein 1;ASPA2;ACY3
Species	Human
Expression Host	E.coli
Sequence	Met 1-Ser319
Accession	Q96HD9
Calculated Molecular Weight	37.4 kDa
Observed molecular weight	35 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.
Reconstitution	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Aspartoacylase 3, also known as ACY3, N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming), Acylase III, Aminoacylase-3, Aspartoacylase-2, Aspartoacylase-2, HCV core-binding protein 1 and ASPA2, is a member of the Aspartoacylase subfamily. ACY3 plays an important role in deacetylating mercapturic acids in kidney proximal tubules

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and acts on N-acetyl-aromatic amino acids. ACY3 is located in the cytoplasm of S2 and S3 proximal tubules and 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.