Recombinant Human ACY3 Protein (His Tag)

Catalog Number: PKSH032781

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

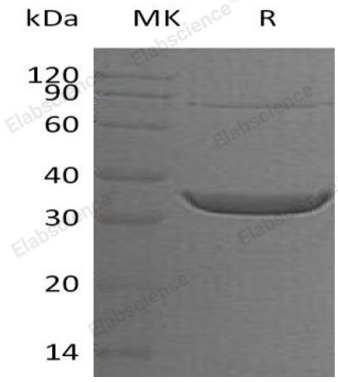
Description

Species	Human
Source	E.coli-derived Human ACY3 protein Met 1-Ser319, with an N-terminal His
Calculated MW	37.4 kDa
Observed MW	35 kDa
Accession	Q96HD9
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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 20 mM PB, 10% Trehalose, 10% Glycerol, 1 mM DTT, 0.02% Tween80, pH7.6.

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 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.

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