



Recombinant Protein Technical Manual

Recombinant Human ACY3 Protein (His Tag)

RPES5145

Product Data:

Product SKU: RPES5145

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q96HD9

Protein Information:

Molecular Mass: 37.4 kDa

AP Molecular Mass: 35 kDa

Tag: N-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Met 1-Ser319

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.