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Recombinant Human Aminoacylase-3/ACY 3 Protein

Catalog No.: RP03196LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	91703	Q96HD9

Tags
C-His

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

Product Information

Source	Purification
E. coli	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
37.4 KDa.	35 KDa.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.

Reconstitution

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.

Basic Information

Description
Recombinant Human Aminoacylase-3/ACY3 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Ser319) of Human Aminoacylase-3/ACY3 (Accession #) fused with a His tag at the N-terminus..

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃. This product is stable at ≤ -70℃ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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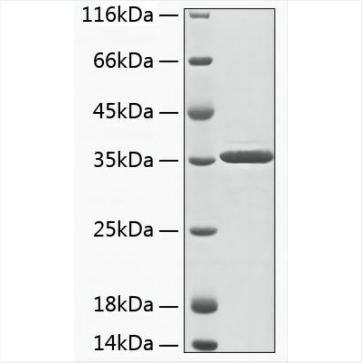
Validation Data



Recombinant Human Aminoacylase-3/ACY 3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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