

Mouse Aminoacylase-1/ACY1 (His Tag) recombinant protein



Catalog Number: 501838

General Information

Gene Name Synonym

N-acyl-L-amino-acid amidohydrolase

Protein Construction

A DNA sequence encoding the mouse ACY1 (Q99JW2) (Met 1-Ser 408) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave N-acetyl-L-Methionine (Ac-Met). The specific activity is >4,000 pmoles/min/μg.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Gln 18

Molecular Mass

The recombinant mouse ACY1 consists of 402 amino acids and has a calculated molecular mass of 45 kDa as estimated by SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

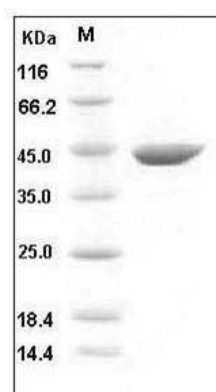
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse ACY1 / Aminoacylase-1 Protein (His Tag)
SDS-PAGE