

Mouse CES2/Carboxylesterase 2 (His Tag) recombinant protein



Catalog Number: 501501

General Information

Gene Name Synonym

Carboxylesterase 2; Peroxisome proliferator-inducible acylcarnitine hydrolase

Protein Construction

A DNA sequence encoding the extracellular domain of mouse CES2 (NP_663578.1) (Met 1-Lys 557) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to hydrolyze p-nitrophenylacetate. The specific activity is >90,000 pmoles/min/ μ g.

Purity

> 85 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g 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 27

Molecular Mass

The recombinant mouse CES2 consists of 542 amino acids and has a predicted molecular mass of 60.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmCES2 is approximately 52 kDa.

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

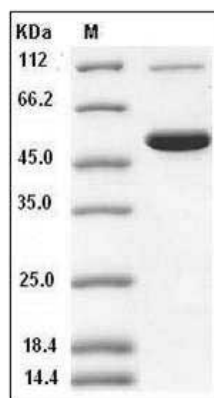
Storage

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 CES2 / Carboxylesterase-2 Protein (His Tag) SDS-PAGE