

Mouse CES3/Carboxylesterase 3/CES1D (His Tag) recombinant protein



Catalog Number: 502120

General Information

Gene Name Synonym

Carboxylesterase 3; Fatty acid ethyl ester synthase; Triacylglycerol hydrolase

Protein Construction

A DNA sequence encoding the mouse CES3 (NP_444430.2) (Met1-Glu561) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to hydrolyze p-nitrophenylacetate.
The specific activity is > 11000 pmoles/min/μg.

Purity

> 90 % 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

Tyr 19

Molecular Mass

The recombinant mouse CES3 comprises 554 amino acids and has a predicted molecular mass of 60.8 kDa. The apparent molecular mass of the protein is approximately 53 kDa in 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

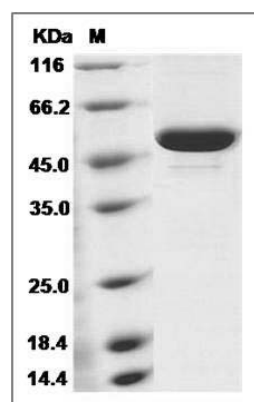
Storage

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 CES3 / Carboxylesterase-3 / CES1D Protein (His Tag) SDS-PAGE