# Mouse CES2/Carboxylesterase 2 (His Tag) recombinant protein

Catalog Number: 501501



# **General Information**

# **Gene Name Synonym**

Carboxylesterase 2; Peroxisome proliferatorinducible 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 pnitrophenylacetate. The specific activity is >90,000 pmoles/min/µg.

#### **Purity**

> 85 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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**

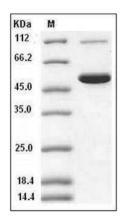
# **Storage**

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