

# Mouse CES5/Carboxylesterase 5 (His Tag) recombinant protein



Catalog Number: 500042

## General Information

### Gene Name Synonym

carboxylesterase 2E

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse CES5 (NP\_766347.1) (Met 1-His 556) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to hydrolyze pnitrophenylacetate. The specific activity is >50,000 pmoles/min/μg.

### Purity

> 88 % 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 27

### Molecular Mass

The secreted recombinant mouse CES5 comprises 541 amino acids and has a calculated molecular mass of 60.6 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 52 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 25mM Tris, 150mM NaCl, pH 7.5

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

## Usage Guide

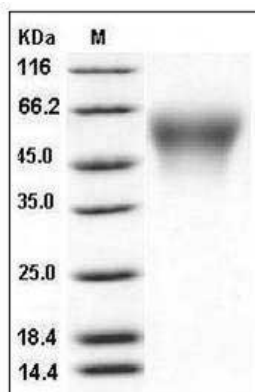
### Storage

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 CES5 / Carboxylesterase-5 Protein (His Tag) SDS-PAGE