

# Mouse TRACP/ACP5 (His Tag) recombinant protein



Catalog Number: 500357

## General Information

### Gene Name Synonym

Tartrate-resistant acid ATPase; Type 5 acid phosphatase

### Protein Construction

A DNA sequence encoding the pro form of mouse ACP5 (NP\_031414.1) (Met 1-Pro 327) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to cleave a substrate, p-Nitrophenyl phosphate (pNPP). The specific activity is >9,000 pmoles/min/ $\mu$ g.

### Purity

> 95 % 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

Ala 23

## Molecular Mass

The recombinant mouse ACP5 consists of 316 amino acids and has a predicted molecular mass of 35.8 kDa as estimated 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

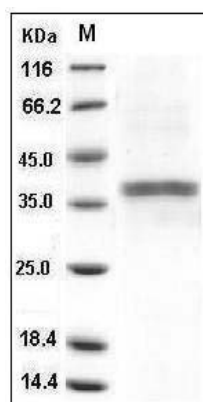
### Storage

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 ACP5 / TRAP Protein (His Tag) SDS-PAGE