

# Mouse alpha-Galactosidase A (His Tag) recombinant protein



Catalog Number: 500308

## General Information

### Protein Construction

A DNA sequence encoding the mouse Gla (Q8BGZ6) (Met1-Arg421) was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to hydrolyze 4-methylumbelliferyl- $\alpha$ -D-galactopyranoside. The specific activity is > 400 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

Leu 34

### Molecular Mass

The recombinant mouse Gla comprises 399 amino acids and has a predicted molecular mass of 45.6 kDa. The apparent molecular mass of the protein is approximately 46-52 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### 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

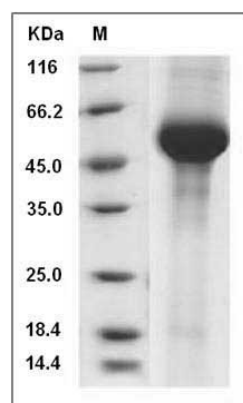
### Storage

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 alpha-Galactosidase A / GLA Protein (His Tag) SDS-PAGE