

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



Catalog Number: 501076

## General Information

### Protein Construction

A DNA sequence encoding the human GLA (NP\_000940.1) (Met 1-Leu 429) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Leu 32

### Molecular Mass

The secreted recombinant human GLA consists of 409 amino acids and has a predicted molecular mass of 46.8 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 50 kDa

band.

## Formulation

Lyophilized from sterile 50mM 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

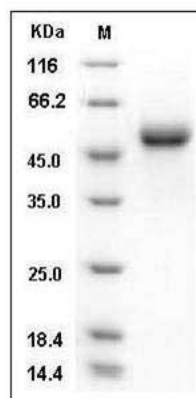
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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



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