

# Mouse BMP-3b/GDF-10 (Fc Tag) recombinant protein



Catalog Number: 500166

## General Information

### Gene Name Synonym

Bone morphogenetic protein 3B

### Protein Construction

A DNA sequence encoding the mature form of mouse GDF10 (NP\_665684.2) (Gln 367-Arg 476) was fused with the Fc region of human IgG1 at the N-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % 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

Glu 20

### Molecular Mass

The recombinant mouse GDF10/Fc is a disulfide-linked homodimeric protein. The reduced

monomer consists of 370 amino acids and has a predicted molecular mass of 40.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmGDF10/Fc monomer is approximately 45 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

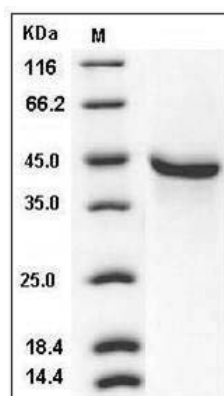
### Storage

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



Mouse BMP-3b / GDF-10 Protein (Fc Tag) SDS-PAGE