

## General Information

### Gene Name Synonym

Acidic fibroblast growth factor; Heparin-binding growth factor 1

### Protein Construction

A DNA sequence encoding the mature form of mouse FGF1 (NP\_034327.1) (Phe16-Asp155) was expressed. Mouse and Rat FGF1 sequences are identical.

### Organism

Mouse

### Expression Host

E. coli

## QC Testing

### Activity

Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED<sub>50</sub> for this effect is 0.4-1.6 ng/mL.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant mouse FGF1 consisting of 141 amino acids and has a calculated molecular mass of 16 kDa as estimated in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Na<sub>2</sub>SO<sub>4</sub>, 0.5mM DTT, 1mM EDTA, 20mM Tris, 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

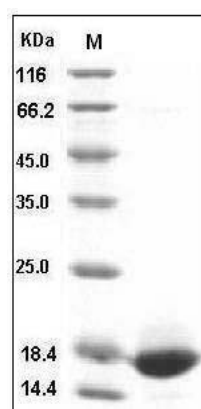
### Storage

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 / Rat aFGF / FGF1 Protein SDS-PAGE