

## General Information

### Gene Name Synonym

Basic fibroblast growth factor; Heparin-binding growth factor 2

### Protein Construction

A DNA sequence encoding the mouse Fgf2 (NP\_032032.1) (Ala11-Ser154) was expressed with a polyhistidine tag at the N-terminus.

### Organism

Mouse

### Expression Host

E. coli

## QC Testing

### Activity

Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblasts.

The ED<sub>50</sub> for this effect is typically 0.1-0.6 ng/mL.

### Purity

> 95 % 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 Fgf2 consists 162 amino acids and predicts a molecular mass of 18.5 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

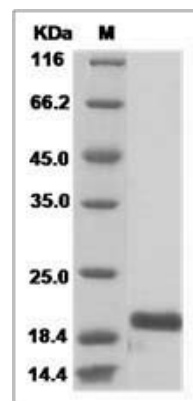
Store it under sterile conditions at -20°C to -80°C.

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 bFGF / FGF2 Protein (His Tag) SDS-PAGE