

## General Information

### Gene Name Synonym

zFGF5

### Protein Construction

A DNA sequence encoding the mouse FGF18 (NP\_032031.1) (Met 1-Gly 207) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse FGF18 (Cat:501491) at 10 µg/mL (100 µl/well) can bind Rat FGFR4 (Cat:500770), The EC<sub>50</sub> of Rat FGFR4 (Cat:500770) is 0.44 µg/mL.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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

Glu 28

## Molecular Mass

The secreted recombinant mouse FGF18 comprises 191 amino acids and has a predicted molecular mass of 22.5 kDa. As a result of glycosylation, it migrates as an approximately 30-35 kDa band in SDS-PAGE under reducing conditions.

## 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

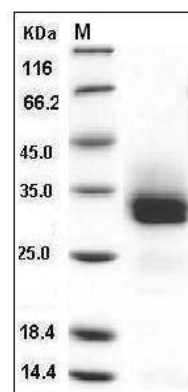
### Storage

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 FGF18 / FGF-18 Protein (His Tag) SDS-PAGE