

# Mouse FGFR1 / FGFR5 (His Tag) recombinant protein



Catalog Number: 500320

## General Information

### Gene Name Synonym

Fibroblast growth factor receptor 5

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse FGFR1 (NP\_473412.1) (Met 1-Pro 374) precursor was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized mouse at 10 µg/ml (100 µl/well) can bind mouse FGFR5. The  $EC_{50}$  of mouse FGFR5 is 0.34 µg/ml.
2. Immobilized human FGF1 at 10 µg/ml (100 µl/well) can bind mouse FGFR5 with a linear range of 0.08-2 µg/ml.
3. Immobilized human bFGF at 5 µg/ml (100 µl/well) can bind mouse FGFR5. The  $EC_{50}$  of mouse FGFR5 is 0.22 µg/ml.

### Purity

> 90 % 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

Ala 21

### Molecular Mass

The secreted recombinant mouse FGFR1 consists of 365 amino acids and has a calculated molecular mass of 40.4 kDa. The apparent molecular mass of rmFGFR1 is approximately 55-60 kDa 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

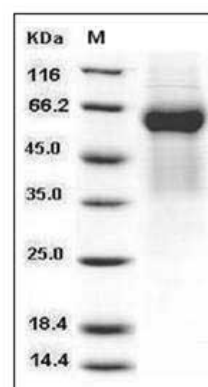
### Storage

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



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