

# Mouse FGFR1/CD331 (Fc Tag) recombinant protein



Catalog Number: 501928

## General Information

### Gene Name Synonym

Basic fibroblast growth factor receptor 1; MFR;  
Proto-oncogene c-Fgr

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Glu 376) of mouse FGFR1 isoform 1 (P16092-1) was as fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit mouse FGF acidic (aFGF/FGF1) dependent proliferation of Balb/C 3T3 mouse fibroblasts.  
The ED<sub>50</sub> for this effect is typically 0.1-0.6 ng/ml.

### Purity

> 97 % 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

Arg 22

### Molecular Mass

The secreted recombinant mouse FGFR1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 596 amino acids and has a calculated molecular mass of 66.5 kDa. The apparent molecular mass of rmFGFR1/Fc monomer is approximately 100-110 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### 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

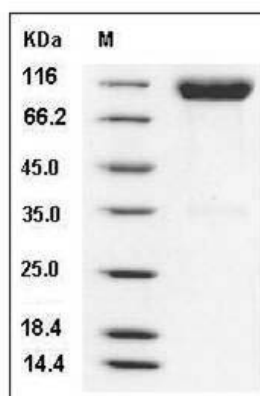
### Storage

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 FGFR1 / CD331 Protein (Fc Tag) SDS-PAGE