

# Mouse FGFR4/CD334 (His & Fc Tag) recombinant protein



Catalog Number: 503170

## General Information

### Gene Name Synonym

Protein-tyrosine kinase receptor MPK-11

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Asp 366) of mouse FGFR4 (NP\_032037.2) precursor was fused with the C-terminal polyhistidine tagged Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit FGF acidic (aFGF / FGF1) dependent proliferation of Balb/c3T3 mouse embryonic fibroblasts. The ED<sub>50</sub> for this effect is typically 30-40 ng/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

Leu 17

### Molecular Mass

The recombinant mouse FGFR4/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 598 amino acids and has a predicted molecular mass of 67 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm FGFR4/Fc monomer is approximately 100-110 kDa 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

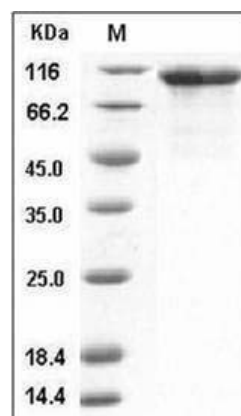
### Storage

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 FGFR4 / CD334 Protein (His & Fc Tag)  
SDS-PAGE