

# Mouse FGFR3/CD333 (His Tag) recombinant protein



Catalog Number: 501264

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Tyr 367) of mouse FGFR3 (NP\_032036.2) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit FGF acidic dependent proliferation of Balb/c3T3 mouse embryonic fibroblasts.

The ED<sub>50</sub> for this effect is typically 0.3-4 µg/mL.

### Purity

> 98 % 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 21

### Molecular Mass

The recombinant mouse FGFR3 comprises 358 amino acids and has a calculated molecular mass of 37 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmFGFR3 is approximately 70-80 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

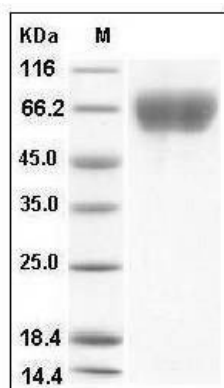
### Storage

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 FGFR3 / CD333 Protein (His Tag) SDS-PAGE