

Mouse FGFR1/CD331 (His Tag) recombinant protein



Catalog Number: 503846

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 fused with a polyhistidine tag 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 ED₅₀ for this effect is typically 50-200 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 consists of 366 amino acids and has a calculated molecular mass of 40.9 kDa. The apparent molecular mass of rmFGFR1 is approximately 55-65 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

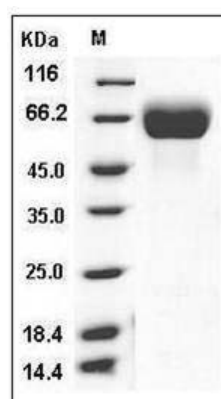
Storage

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 (His Tag) SDS-PAGE