

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 ED₅₀ 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

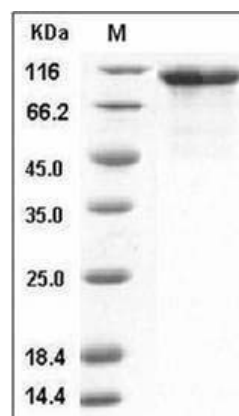
Storage

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



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