

General Information

Protein Construction

A DNA sequence encoding the rat FGFR4 (Q498D6) extracellular domain (Met 1-Asp 367) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human FGF18 (Cat: 500546) at 10 µg/mL (100 µl/well) can bind Rat FGFR4 (Cat:500770), The EC₅₀ of Rat FGFR4 (Cat:500770) is 1.17 µg/mL.
3. Immobilized mouse FGF18 (Cat:501491) at 10 µg/mL (100 µl/well) can bind Rat FGFR4 (Cat:500770), The EC₅₀ of Rat FGFR4 (Cat:500770) is 0.44 µg/mL.
4. Immobilized human bFGF at 10 µg/mL (100 µl/well) can bind Rat FGFR4 (Cat:500770), The EC₅₀ of Rat FGFR4 (Cat:500770) is 0.163 µg/mL.

Purity

> 90 % 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

Phe 17

Molecular Mass

The recombinant rat FGFR4/Fc is a disulfide-linked homodimer. The reduced monomer comprises 592 amino acids and predicts a molecular mass of 66 kDa. The apparent molecular mass of the rat FGFR4/Fc monomer is approximately 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

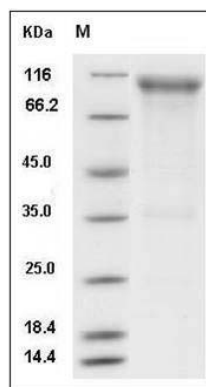
Storage

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



Rat FGFR4/CD334 (Fc Tag) recombinant protein



Catalog Number: 500770

Rat FGFR4 / FGF Receptor 4 Protein (Fc Tag)

SDS-PAGE