

General Information

Gene Name Synonym

zFGF5

Protein Construction

A DNA sequence encoding the human FGF18 (O76093) (Met 1-Ala 207) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

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.

Purity

> 92 % 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 28

Molecular Mass

The secreted recombinant human FGF18 comprises 191 amino acids and has a predicted molecular mass of 22.3 kDa. The apparent molecular mass of rh FGF18 is approximately 32 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

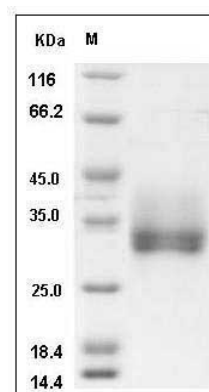
Storage

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



Human FGF18 / FGF-18 Protein (His Tag) SDS-PAGE