

Human FGFR1/CD331 (His Tag) recombinant protein



Catalog Number: 501588

General Information

Gene Name Synonym

Basic fibroblast growth factor receptor 1; Fms-like tyrosine kinase 2; N-sam; Proto-oncogene c-Fgr

Protein Construction

A DNA sequence encoding the human FGFR1 (NP_075594.1) extracellular domain (Met 1-Glu 285) was expressed with C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit FGF acidic dependent proliferation of Balb/C 3T3 mouse fibroblasts.

The ED₅₀ for this effect is typically 0.03-0.15 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

Arg 22

Molecular Mass

The secreted recombinant human FGFR1 consists of 275 amino acids and has a predicted molecular mass of 31 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh FGFR1 monomer is approximately 50-55 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

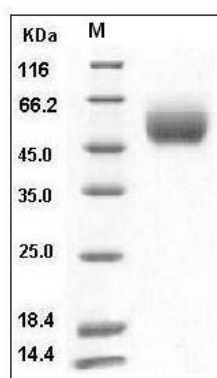
Storage

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



Human FGFR1 / CD331 Protein (His Tag) SDS-PAGE