Human FGFR1/CD331 (His & Fc Tag) recombinant protein

Catalog Number: 504146

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 fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit FGF-acidic (aFGF/FGF1) dependent proliferation of Balb/C 3T3 mouse fibroblasts.
The ED_{50} for this effect is typically 0.5-4 ng/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℃

Predicted N terminal

Arg 22

Molecular Mass

The recombinant human FGFR1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 512 amino acids and has a predicted molecular mass of 57.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhFGFR1/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

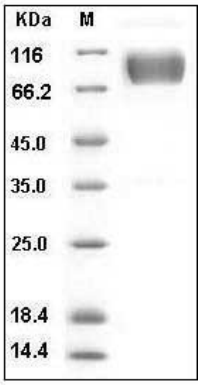
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 & Fc Tag) SDS-PAGE