Human FGFR2/CD332 (His Tag) recombinant protein

Catalog Number: 504098

General Information

Gene Name Synonym

K-sam; Keratinocyte growth factor receptor

Protein Construction

A DNA sequence encoding the human FGFR2 (NP_000132.3) extracellular domain (Met 1-Glu 377) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit FGF acidic dependent proliferation of Balb/c3T3 mouse embryonic fibroblasts. The ED_{50} for this effect is typically 200-400 ng/mL.

Purity

> 97 % 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 FGFR2 consists of 367 amino acids after removal of the signal peptide and has a calculated molecular mass of 41 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhFGFR2 is approximately 65-75 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

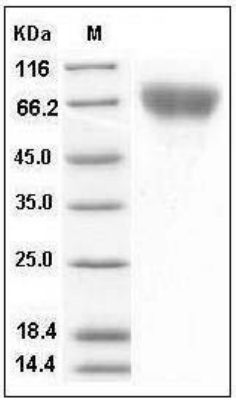
Storage

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 FGFR2 / CD332 Protein (His Tag) SDS-PAGE