

Human FGF9 (Fc Tag) recombinant protein



Catalog Number: 503469

General Information

Gene Name Synonym

Glia-activating factor; Heparin-binding growth factor 9

Protein Construction

A DNA sequence encoding the mature form of human fibroblast growth factor 9 (NP_002001.1) (Leu 4-Ser 208) was expressed with the fused Fc region of human IgG1 at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured in a cell proliferation assay using Balb/c3T3 mouse embryonic fibroblasts (Rubin, J.S. et al. 1991. Proc. Natl. Acad. Sci. USA 88: 415.). The ED₅₀ for this effect is typically 1-3 ng/mL.

Purity

(81.9 + 13.9) %, 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 20

Molecular Mass

The recombinant human Fc/FGF9 is a disulfide-linked homodimeric protein. The reduced monomer consists of 463 amino acids and has a predicted molecular mass of 54 and 37 kDa as estimated 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

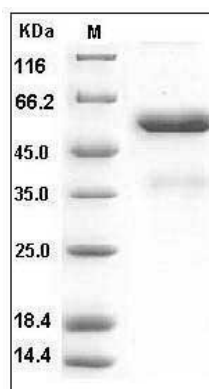
Storage

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 FGF9 Protein (Fc Tag) SDS-PAGE