# **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  $ED_{50}$  for this effect is typically 1-3 ng/mL.

#### **Purity**

(81.9 + 13.9) %, as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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 disulfidelinked 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 duo 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**

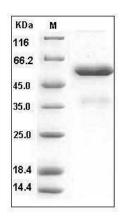
## **Storage**

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