# FGF-9/HBGF-9/GAF, Human, Recombinant

**Cat. No. : PCK138**

## General Information

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|---|---|
| **Synonyms** | Fibroblast Growth Factor 9;FGF-9;Glia-Activating Factor;GAF;Heparin-Binding Growth Factor 9;HBGF-9;FGF9 |
| **Species** | Human |
| **Expression host** | E.coli |
| **Sequence** | Met1-Ser208 |
| **Accession** | P31371 |
| **Mol mass** | 23.44 kDa |
| **Expiration date** | 12 months |
| **Bio activity** | Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 1-5 ng/mL. |

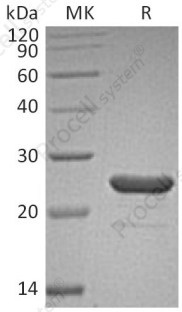
## Product feature

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| **Purity** | > 95% as determined by reducing SDS-PAGE. |
| **Endotoxin (EU/μg)** | < 0.1 |
| **Storage** | Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months. |
| **Shipping** | Ice bag |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of 20 mM PB，200 mM NaCl，220 mM Sucrose, 0.02% Tween 80, pH 6.0. |
| **Reconstitution** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

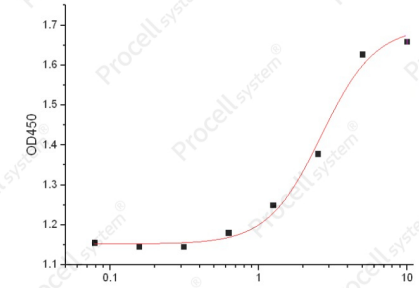
## Background

Fibroblast Growth Factor 9 (FGF-9) belongs to the Fibroblast Growth Factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-9 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. In addition, FGF-9 may have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.

## SDS-PAGE




## Bio activity




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