

# Recombinant Human FGF-9/FGF9 Protein

Catalog Number:PKSH032449



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

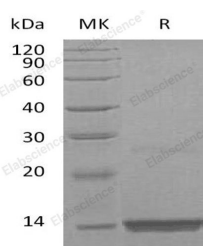
## Description

<b>Synonyms</b>	Fibroblast Growth Factor 9;FGF-9;Glia-Activating Factor;GAF;Heparin-Binding Growth Factor 9;HBGF-9;FGF9
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Pro 3-Ser 208
<b>Accession</b>	P31371
<b>Calculated Molecular Weight</b>	22.1 kDa
<b>Observed molecular weight</b>	24 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Measure by its ability to induce 3T3 cells proliferation. The ED <sub>50</sub> for this effect is < 2 ng/mL.

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



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## 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

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tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.

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