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## Recombinant Murine FGF-9

**Description:** Murine Fibroblast Growth Factor-9 (FGF-9, Glial Activating Factor) is a heparin binding growth factor that stimulates the proliferation and activation of glial cells and other cells that express FGF receptors. Murine FGF-9 is a 22 kDa protein containing 205 amino acid residues.

<b>Source:</b>	E.coli
<b>Molecular Weight:</b>	22.0 kDa
<b>Purity:</b>	> 95% (SDS-PAGE; HPLC)
<b>Endotoxin level:</b>	< 0.1 ng/µg of FGF-9
<b>Stabilizer:</b>	none
<b>Formulation:</b>	lyophilized

**Biological Activity:** Murine FGF-9 is fully biologically active when compared to standards. The ED<sub>50</sub> as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is 0.5–1.0 ng/ml. Murine FGF-9 exerts full activity on both murine and human cells.

**Reconstitution:** To obtain a 1 mg/ml solution of murine FGF-9 in Tris/NaCl buffer, add 1 ml of water per mg protein. This solution can be stored at 4°C for future use or diluted into other buffered solutions. Further dilutions should be made into buffer containing carrier protein or medium containing serum. Repeated freeze thaw cycles will result in some loss of activity. For most in vitro applications, FGF-9 exerts its biological activity in the concentration range of 0.1 to 20.0 ng/ml.

**Stability:** The lyophilized murine FGF-9, though stable at room temperature, is best stored desiccated below 0°C. **Avoid repeated freeze-thaw cycles.**

**Usage:** Murine FGF-9 is offered for research use. Not for drug use. **Not for human use.**

**Catalogue number:** M10-006

**Size:** 10 µg

**Range:** 0.1-20.0 ng/ml

**\*\*please note: always centrifuge product before opening vial \*\***