

Recombinant Human FGF-9 (Fibroblast Growth Factor-9)

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Rev. 1.00

Catalog Number:	PHG0194
Quantity:	20 µg
Lot Number:	See product label.
Molecular Weight:	23.4 kDa, 207 amino acid residues.
Purity:	≥95% by SDS PAGE and HPLC analyses.
Biological Activity:	ED ₅₀ ≤0.5 ng/mL (≥2 × 10 ⁶ units/mg), determined by the dose dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors. FGF-9 is a heparin binding growth factor that stimulates the proliferation of glial cells, as well as other cells expressing the FGF-9 receptor. Cellular sources of FGF-9 include prostatic stromal cells, neurons, astrocytes, oligodendrocytes, fetal skeletal myoblasts, ventricular myocardium, gut luminal epithelium and olfactory bulb. FGF-9 is known alternatively as glial-activating factor (GAF).
Formulation:	Lyophilized from 1xTris Buffer, pH 7.8. Filtered through a 0.2 micron filter prior to lyophilization.
Endotoxin:	<0.1 ng/µg of FGF-9
Production:	Produced in <i>E. coli</i> and purified by sequential chromatography.
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. This lyophilized protein should be reconstituted in sterile, distilled water to a concentration of 0.1–1 mg/mL. <i>Do not vortex.</i> This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA, and store in working aliquots at –20°C to –80°C.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	The lyophilized protein is stable at room temperature for 1 month, but should be kept at –20°C for long term storage, preferably desiccated. Working aliquots stored with a carrier protein are stable for at least 3 months at –20°C to –80°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	See product label.
References:	Giri, D. et al. (1999) J. Cell Physiol. 180:53. Nakamura, S. et al. (1999) Glia 28:53. Todo, T. et al. (1998) Brain Res. 783:179. Colvin, J.S. et al. (1999) Dev. Dyn. 216:72.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

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For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

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