

Recombinant Human FGF-9

CATALOG #: 4056-20 20 µg
4056-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >95% by SDS-PAGE and HPLC
Endotoxin level is <0.1 ng per µg of FGF-9.

MOL. WEIGHT: 23.4 kDa

FORM: Lyophilized from 10 mM Tris, pH 7.8 + Ammonium Sulfate.

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 10 mM Tris (pH 8.0) to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other aqueous buffers and store at 4°C for 1 week or stored at -20°C for future use.

STORAGE CONDITIONS:

The lyophilized FGF-9 is best-stored desiccated below 0°C. Reconstituted FGF-9 should be stored at 4°C or lyophilized at working aliquots. Repeated freeze/thaw cycles will result in some loss of activity.

DESCRIPTION:

FGF-9 (also known as 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. The human FGF-9 is a 23.4 kDa protein containing 207 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is ≤0.5 ng/ml, corresponding to a specific activity of ≥2 x 10⁶ units/mg.

USAGE: For research use only. Not to be used in humans.

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