

RMCH098

Recombinant FGF-9 (Fibroblast growth factor-9), Human, AF



5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s):

GAF (Glia-Activating Factor), HBGF-9

Activity:

Measure by its ability to induce 3T3 cells proliferation.
The ED50 for this effect is <2 ng/mL.

Protein Description:

FGF-9 (fibroblast growth factor-9), also called HBGF-9 (heparin-binding growth factor-9) and GAF (glia-activating factor), is an approximately 26 kDa secreted glycoprotein of the FGF family (1-3). 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. FGF9 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration.

Protein Accession : P31371.3

Gene ID : 2254

Expression Sequence:

MPLGEVGNVYFGVQDAVPFGNVPLVPVLDSPVLLSDHLGQSEAGGLPRGPAVTDLDHLKILRRRQLYCRTGFHLEIFPNGTIQGTRKDHS
RFGILEFISIAVGLVSIKRVDSGLYLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTREGTRTKRH
QKFTHFLPRPVDPKVPELYKDILSQS with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus

Species : Human

Reactivity : Human

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>95% as determined by SDS-PAGE.
Ni-NTA chromatography.

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 22.14 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

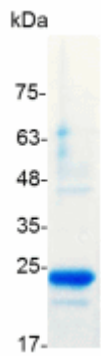
Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:

SDS- PAGE analysis of recombinant human FGF-9