FGF-9 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Fibroblast Growth Factor-9, GAF (Glia-activating factor), HBGF-9

Cat. No.:

RBG10138005	(5 µg)
RBG10138020	(20 µg)
RBG10138100	(100 µg)

Description

FGF-9 is a heparin binding growth factor that belongs to the FGF family. Proteins of this family play a central role during prenatal development, postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-9 targets glial cells, astrocytes cells and other cells that express the FGFR 1c, 2c, 3b, 3c, and 4. Recombinant Human FGF-9 is a 23.2 kDa protein consisting of 206 amino acid residues.

Research topic

Cardiovascular disease, Coronary artery disease

Amino Acid Sequence

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PLGEVGNYFG VQDAVPFGNV PVLPVDSPVL LSDHLGQSEA GGLPRGPAVT DLDHLKGILR RRQLYCRTGF HLEIFPNGTI
QGTRKDHSRF GILEFISIAV GLVSIRGVDS GLYLGMNEKG ELYGSEKLTQ ECVFREQFEE NWYNTYSSNL YKHVDTGRRY
YVALNKDGTP REGTRTKRHQ KFTHFLPRPV DPDKVPELYK DILSQS
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Source

E. coli

Purity

95%

Biological Activity

The ED_{50} 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 ? 2×10^{6} units/mg.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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