



Recombinant Human Fibroblast Growth Factor-acidic

Product Name: Recombinant Human Fibroblast Growth Factor-acidic (rh-aFGF)

Other name: FGF1,AFGF,ECGF,ECGF-beta,ECGFA,ECGFB,FGF-alpha,FGFA,GLIO703,HBGF1

Catalog Number: NRPA15S

Specifications: 10 µg, 100 µg, 1 mg, 10 mg

Formulation: Lyophilized from 10mM PBS (1mM Na₂HPO₄, 9mM NaH₂PO₄, 150mM NaCl, pH6.0)

Mol. Wt.: 16.0kDa

Theory pI: 7.73

Resources: Escherichia coli (E. coli)

Species: human

Purity: ≥95% by SDS-PAGE analysis

Storage Condition: -20 °C

Storage Duration: 3 years

Biological Activity: The EC₅₀, calculated by the dose-dependant proliferation of mouse BALB/c 3T3 cells is less than 0.5 ng/ml, corresponding to a specific activity of ≥2×10⁶ units/mg protein.

Packing: In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.

Application: This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes.

Stability & storage conditions:

Use a manual defrost freezer. No activity loss was observed after storage at:

4-8°C for 12 months in lyophilized state;

-70°C for 3 months under sterile conditions after reconstitution.

Description:

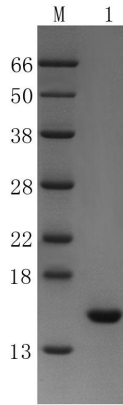
Fibroblast Growth Factor-acidic, aFGF is a protein that in humans is encoded by the FGF1 gene. The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF acidic is a potent growth factor for fibroblasts and endothelial cells. FGF acidic is involved in wound repair, angiogenesis, and development. FGF acidic is secreted from cells via an endoplasmic reticulum/Golgi independent mechanism. The ability of FGF acidic to bind to heparin sulfate is required for its ability to interact with FGF receptors and induce signaling. There are four distinct FGF receptors and each has multiple splice variants. FGF acidic binds with high affinity to many, but not all, FGFRs. Signaling cascades activated through FGF basic binding to FGFR include the ras-raf-MAPK, PLCy/PKC, and PI3K/Akt pathways.

Gentaur Europe BVBA

Voortstraat 49, 1910 Kampenhout BELGIUM
0032 16 58 90 45 info@gentaur.com

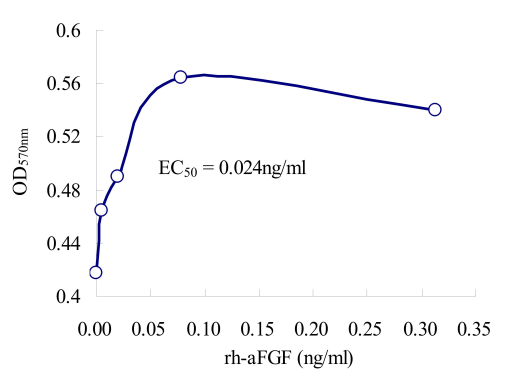
Genprice Inc.

547 Yurok Cir San Jose, CA 95123, USA
(408) 780-0908 genprice@gentaur.com



M: Protein marker standard

Lane 1: rh-aFGF



rh-aFGF stimulate BALB/c 3T3 Cell proliferation test

Gentaur Europe BVBA

Voortstraat 49, 1910 Kampenhout BELGIUM
0032 16 58 90 45 info@gentaur.com

Genprice Inc.

547 Yurok Cir San Jose, CA 95123, USA
(408) 780-0908 genprice@gentaur.com