

32-20087: Animal-Free Recombinant Human FGF-acidic(Discontinued)

Reactivity : Cow, Human , mouse, Pig, Rat
Alternative Name : Fibroblast Growth Factor-acidic, FGF-1, HBGF-1, ECGF-beta

Description

Source: **E.coli** FGF-acidic is one of 23 known members of 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-acidic is a non-glycosylated heparin binding growth factor that is expressed in the brain, kidney, retina, smooth muscle cells, bone matrix, osteoblasts, astrocytes and endothelial cells. FGF-acidic has the ability to signal through all the FGF receptors. Recombinant Human FGF-acidic is a 16.8 kDa protein consisting of 141 amino acid residues.

Product Info

Amount : 10 µg / 50 µg
Purification : Purity: $\geq 95\%$ by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : MFNLPPGNYK KPALLYCSNG GHFLRILPDG TVDGTRDRSD QHIQLQLSAE SVGEVYIKST ETGQYLAMDT
DGLLYGSQTP NEECLFLERL EENHYNTYIS KKHAEKWV GLKKNNGSCKR GPRTHYGQKA ILFLPLPVSS D

Application Note

Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected ED_{50} is ≤ 0.5 ng/ml in the presence of $10 \mu\text{g/ml}$ heparin, corresponding to a specific activity of $\geq 2 \times 10^6$ units/mg.