

## 32-20090: Recombinant Human FGF-basic (154 a.a.)(Discontinued)

**Reactivity :** Bacteria, chicken, cow, dog, frog, hamster, horse, Human , Human + Hamster, Human + mouse, Human + Rat, Human + Virus, Leech, monkey, mouse, mouse + chicken, Mouse + Pig, mouse + rat, pig, rabbit, rat, Rat + Chicken, sheep

**Alternative Name :** Fibroblast Growth Factor-basic, FGF-2, HBGF-2, Prostatropin

### Description

**Source:** E.coli FGF-basic 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-basic is a non-glycosylated, heparin-binding growth factor that is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland, liver, monocytes, epithelial cells and endothelial cells. FGF-basic signals through FGFR 1b, 1c, 2c, 3c and 4. Recombinant Human FGF-basic is a 17.2 kDa protein consisting of 154 amino acid residues. Qualified for stem cell use.

### 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 :** AAGSITTLP ALPEDGGSGA FPPGHFKDPK RLYCKNGGFF LRIHPDGRVD GVREKSDPHI KLQLQAEERG  
VVSIKGVCAN RYLAMKEDGR LLASKCVTDE CFFFERLESN NYNTYRSRKY TSWYVALKRT GQYKLGSKTG  
PGQKAILFLP MSAKS

### Application Note

Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected  $ED_{50}$  is  $\leq 0.1$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10^7$  units/mg.