

## 32-20089: Recombinant Rat FGF-acidic(Discontinued)

**Reactivity :** 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 Rat FGF-acidic is a 15.9 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 :** MFNLPLGNYK KPKLLYCSNG GHFLRILPDG TVDGTRDRSD QHIQLQLSAE SAGEVYIKGT ETGQYLAMDT  
EGLLYGSQTP NEECLFLERL EENHYNTYTS KKHAEKNWFV GLKKNNGSCKR GPRTHYGQKA ILFLPLPVSS D

### Application Note

Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected  $ED_{50}$  is  $\leq 0.1$  ng/ml in the presence of  $10^{-6}$  µg/ml heparin, corresponding to a specific activity of  $\geq 1 \times 10^7$  units/mg.