

32-20096: Recombinant Rat FGF-basic(Discontinued)

Reactivity : Human , rat

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 Rat FGF-basic is a 16.3 kDa protein consisting of 145 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 : PALPEDGGGA FPPGHFKDPK RLYCKNGGFF LRIHPDGRVD GVREKSDPHV KLQLQAEERG VVSIKGVCAN
RYLAMKEDGR LLASKCVTEE CFFFERLESN NYNTYRSRKY SSWYVALKRT GQYKLGSKTG PGQKAILFLP
MSAKS

Application Note

Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected ED_{50} is ≤ 0.2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^6$ units/mg.