

## 32-20112: Animal-Free Recombinant Human FGF-18(Discontinued)

**Alternative Name :** Fibroblast Growth Factor-18, zFGF5 , FGF1

### Description

**Source:** E.coli FGF-18 is a heparin-binding growth factor that belongs to 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-18 is an essential regulator of long bone and calvarial development. FGF-18 signals through FGFR 1c, 2c, 3c, and 4. Recombinant Human FGF-18 derived from E.coli is a 20.1 kDa protein consisting of 173 amino acid residues, resulting from C-terminal truncation of the full length protein.

### Product Info

**Amount :** 5 µg / 25 µg

**Purification :** Purity:  $\geq 95\%$  by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** AEENVDFRIH VENQTRARDD VSRKQLRLYQ LYSRTSGKHI QVLGRRISAR GEDGDKYAQL LVETDTFGSQ  
VRIK GKETEF YLCMNRKGKL VGKPDGTSKE CVFIEKVLEN NYTALMSAKY SGWYVGFTHK GRPRKGPKTR  
ENQQDVHFMK RYPKGQPELQ KPFKYTTVTK RSR

### Application Note

Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected  $ED_{50}$  is  $\leq 10$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10^5$  units/mg.