

## Human FGF basic / FGF2 (164 amino acids) - Purified

<b>Alternate names:</b>	BFGF, FGFB, Fibroblast growth factor 2 (basic), HBGF-2, HBGF2, Heparin-binding growth factor 2
<b>Catalog No.:</b>	AR31105PU-N
<b>Quantity:</b>	50 µg
<b>Background:</b>	FGF-basic is one of 23 known members of the FGF family. Proteins of this family play a central role during prenatal development and 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.
<b>Uniprot ID:</b>	<a href="#">P09038</a>
<b>NCBI:</b>	<a href="#">NP_001997.5</a>
<b>GenID:</b>	<a href="#">2247</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Lyophilized (0.2µ Sterile filtered) purified protein <b>Purity:</b> >98% pure by SDS-PAGE and HPLC analyses
<b>Description:</b>	Recombinant Human FGF-basic (146 a.a.) is a 16.4 kDa protein consisting of 146 amino acid residues. <b>AA Sequence:</b> PALPEDGGSG AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH IKLQLQAEER GVVSIGKVCANRYLAMKEDG RLLASKCVTD ECGFFERLES NNYNTYRSRK YTSWYVALKR TGQYKLGSKT GPGQKAILFLPMSAKS <b>Biological Activity:</b> The ED50 was determined by a cell proliferation assay using balb/c 3T3 cells is ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10 <sup>7</sup> units/mg. <b>Molecular weight:</b> 16.4 kDa (146 amino acids)
<b>Storage:</b>	Prior to reconstitution store at 2-8°C for 6 months, at RT for one month or at -20°C to -80°C for longer. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.