

Human FGF basic / FGF2 (146 amino acids) - Purified

Alternate names:	BFGF, FGFB, Fibroblast growth factor 2 (basic), HBGF-2, HBGF2, Heparin-binding growth factor 2
Catalog No.:	AR31105PU-S
Quantity:	10 µg
Background:	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.
Uniprot ID:	P09038
NCBI:	NP_001997.5
GeneID:	2247
Species:	Human
Source:	E. coli
Format:	State: Lyophilized (0.2µ Sterile filtered) purified protein Purity: >98% pure by SDS-PAGE and HPLC analyses
Description:	Recombinant Human FGF-basic (146 a.a.) is a 16.4 kDa protein consisting of 146 amino acid residues. AA Sequence: PALPEDGGSG AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH IKLQLQAEER GVVSIKGVCA NRYLAMKEDG RLLASKCVTD ECTFFERLES NNYNTYRSRK YTSWYVALKR TGQYKLGSKT GPGQKAILFL PMSAKS Biological Activity: 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 ⁷ units/mg. Molecular weight: 16.4 kDa (146 amino acids)
Storage:	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.