Active Recombinant Human Acidic Fibroblast Growth Factor

Cat. No. FGF1-4H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Acidic FGF is produced by genetically engineered yeast, and purified by heparin-Sepharose affinity chromatography.
Species	Human
Source	yeast
Description	Acidic FGF is a mitogen for cells of mesodermal and neuroectodermal origin, including fibroblasts, endothelial cells, astrocytes, neuroblasts, osteoblasts, and smooth muscle cells. This protein is composed of 140 amino acid residues, and has a 55% homology with basic FGF, including two conserved cysteine residues.?
Form	10 mM Tris-HCl, 1.5 M NaCl, pH 7.0 Concentration: 0.50 mg protein/ml.
Bio-activity	Human acidic FGF is mitogenic for a variety of normal cells in culture including fibroblasts, glial cells, vascular endothelial cells.
Molecular Mass	15.5 KDa
Purity	Over 95% pure by HPLC analysis and SDS gel electrophoresis.
Stability	Unstable without a carrier protein like gelatin or bovine serum albumin. It is recommended to add some of these proteins, prior to aliquoting, for longer storage.
Storage	Store at -80°C. It is also possible to keep this protein at low pH (2-5) for a few days.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	FGF1 fibroblast growth factor 1 (acidic) [Homo sapiens (human)]
Official Symbol	FGF1
Synonyms	FGF1; fibroblast growth factor 1 (acidic); AFGF; ECGF; FGFA; ECGFA; ECGFB; HBGF1; GLIO703; FGF-alpha; ECGF-beta; Acidic fibroblast growth factor; OTTHUMP00000066031; heparin-binding growth factor 1; endothelial cell growth factor, beta; endothelial cell growth factor, alpha; Beta-endothelial cell growth factor; OTTHUMP00000066028; OTTHUMP00000174675; OTTHUMP00000066030
Gene ID	2246
mRNA Refseq	NM_000800
Protein Refseq	NP_000791
MIM	131220
UniProt ID	P05230
Chromosome Location	5q31
Pathway	MAPK signaling pathway; Melanoma; Pathways in cancer; Regulation of actin cytoskeleton
Function	growth factor activity; heparin binding; protein binding

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA