

## Human FGF basic / FGF2 (Animal Product Free Grade) - Purified

<b>Alternate names:</b>	BFGF, FGFB, Fibroblast growth factor 2 (basic), HBGF-2, HBGF2, Heparin-binding growth factor 2
<b>Catalog No.:</b>	AR10041PU-L
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	1 mg/ml
<b>Background:</b>	FGF-basic is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Three alternatively spliced variants encoding different isoforms have been described. The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors.
<b>Uniprot ID:</b>	<a href="#">P09038</a>
<b>NCBI:</b>	<a href="#">NP_001997.5</a>
<b>GeneID:</b>	<a href="#">2247</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid <b>Purity:</b> > 95% pure as determined by 10% PAGE (coomassie staining). <b>Purification Method:</b> DEAE sepharose, Affinity Chromatography. <b>Buffer System:</b> 50 mM TRIS HCL, 8 M Urea, pH 9.0
<b>Applications:</b>	Antigen in ELISA and Western blots, excellent antigen for detection of HIV with minimal specificity problems. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Description:</b>	<i>E.coli</i> derived recombinant. The protein contains the HIV-2 immunodominant regions of env gp36.
<b>Storage:</b>	Protein is shipped at ambient temperature. Upon arrival, Store at 2-8°C Five years frozen. One month in solution at room temperature.