Active Recombinant Human FGFbasic Protein

Cat. No. FGFB-367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGFbasic Protein is produced by Human Cells expression system. Structure: Non-glycosylated monomer, tag free.
Species	Human
Source	Human Cells
Description	FGF basic is a non-glycosylated heparin binding growth factor that belongs to the fibroblast growth factor family. FGF basic is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland, liver, monocytes, epithelial cells and endothelial cells. The recombinant human FGFbasic is a 17 kDa protein consisting of 154 amino acid residues. FGFbasic signals through FGFR 1b, 1c, 2c, 3c and 4. FGF basic may participate in the production of a variety of pathological conditions resulting from excessive cell proliferation and excessive angiogenesis. FGF basic plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. It also functions as potent mitogen in vitro.
Form	Lyophilized from a 0.2μm filtered solution in PBS without carrier protein
Bio-activity	The activity was measured by its ability to stimulate the proliferation of 3T3 mouse fibroblast cells.
Molecular Mass	17 kDa
Endotoxin	<1EU/ug

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Purity	>95% by SDS-PAGE
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin

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