


Human FGF1/FGF acidic protein

Cat #: PRP1001

Size: 10 µg/50 µg/100 µg

Product Information

	Product Name: Human FGF1/FGF acidic protein		
REF	Catalog Number: PRP1001	LOT	Lot Number: Refer to product label
	Purity: >98% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E.Coli</i>
	Shipping: The product is shipped at ambient temperature		

Background: FGF1, also known as FGF acidic, ECGF, aFGF and HBGF-1, is a nonglycosylated member of the FGF family of mitogenic peptides. FGF1, which is produced by multiple cell types, stimulates the proliferation of all cells of mesodermal origin and many cells of neuroectodermal, ectodermal, and endodermal origin. FGF1 protein shows a wide range of endocrine-like activities. As a multiple function growth factor, this protein is involved in embryo development and tissue repair. Additionally, this protein is considered to function in several important physiological and pathological processes, such as embryonic development, morphogenesis, angiogenesis, wound healing and atheromatosis, carcinogenesis, development, and invasion of cancer.

Sequence: Amino acid sequence derived from Human FGF1 (P05230) (Phe16-Asp155) was expressed.

Protein length: The recombinant Human FGF1 consists of 140 amino acids and has a predicted molecular mass of 15.5 kDa.

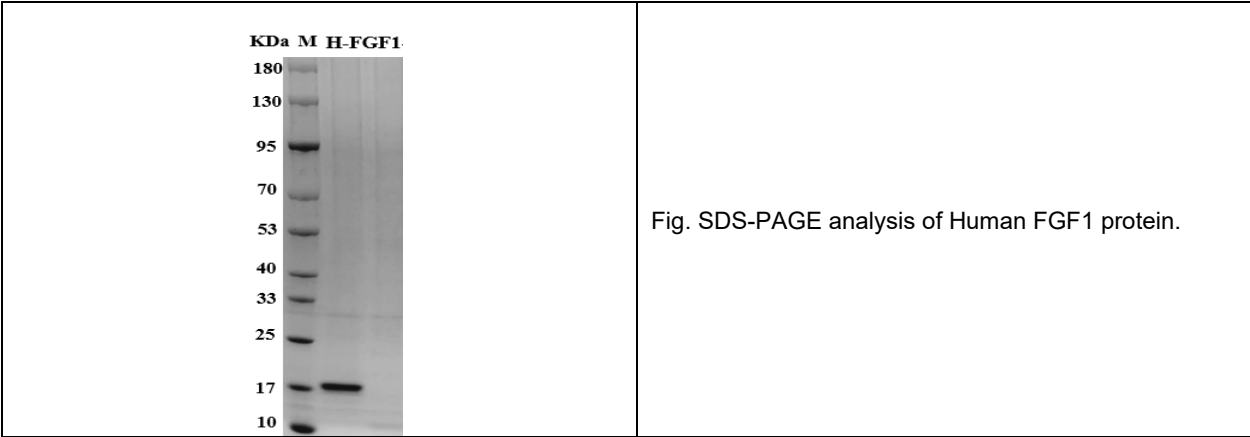
Biological Activity: Measured by its ability to induce proliferation in Balb/3T3 cells. The ED₅₀ for this effect is 2.768 ng/mL.

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20mM tris 150mM NaCl, pH 7.5.

Storage Instructions: Lyophilized Human FGF1 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human FGF1 protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



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