


Human bFGF protein

Cat #: PRP100009

Size: 10µg/50µg/100µg/1mg

Product Information

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| | Product Name: Human bFGF protein | | |
| REF | Catalog Number: PRP100009 | LOT | Lot Number: Refer to product label |
| | Purity: > 95 % as determined by SDS-PAGE | | |
|  | Storage: Store at -20°C | | Preparation method: E. coli |
| | Shipping: The product is shipped at ambient temperature. | | |

Background: Basic fibroblast growth factor (bFGF), also known as FGF2, is a member of the fibroblast growth factor (FGF) family. It is a highly specific chemotactic and mitogenic factor for many cell types, appears to be involved in remodeling damaged tissue, such as ulcer healing, vascular repair, traumatic brain injury (TBI). bFGF is a critical component of human embryonic stem cell culture medium. In addition, bFGF protein is a heparin-binding cationic protein involved in a variety of pathological conditions including angiogenesis and solid tumour growth. Thus, bFGF is regarded as a target for cancers chemopreventive and therapeutic strategies.

Sequence: Amino acid sequence derived from mature form of human bFGF (NP_001997.5) (Pro 143-Ser 288) was expressed, with an additional Met at the N-terminus.

Protein length: The recombinant human bFGF is a disulfide-linked homodimeric protein. The reduced monomer consists of 147 amino acids and has a calculated molecular mass of 16.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of bFGF is approximately 17 kDa.

Formulation: Lyophilized from sterile 20mM Tris, pH 7.4.

Storage Instructions: Lyophilized Human bFGF 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 bFGF protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

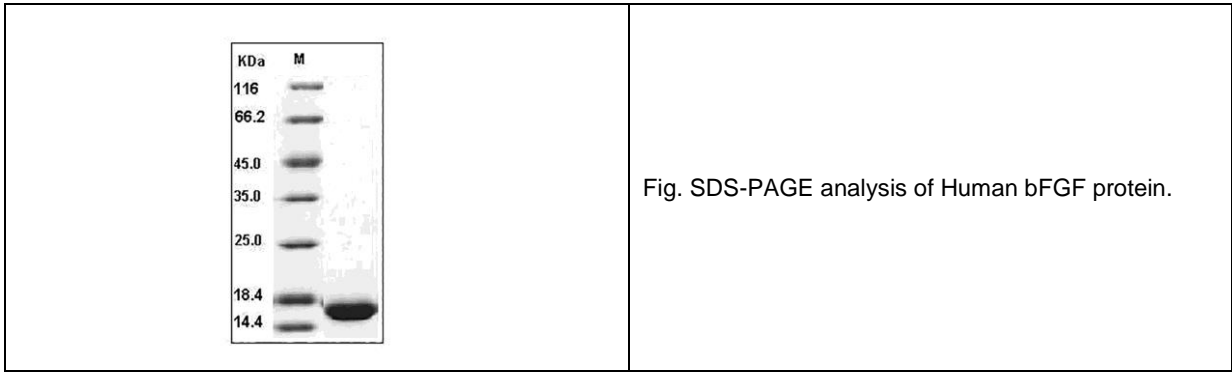


Fig. SDS-PAGE analysis of Human bFGF protein.

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