


Mouse bFGF protein

Cat #: PRP1011

Size: 10µg/50µg/100µg/1mg

Product Information

	Product Name: Mouse bFGF protein		
REF	Catalog Number: PRP1011	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 Mouse bFGF soluble form (NP_15655) (Pro10-Ser154) was expressed, with an initial Met at the N-terminus.

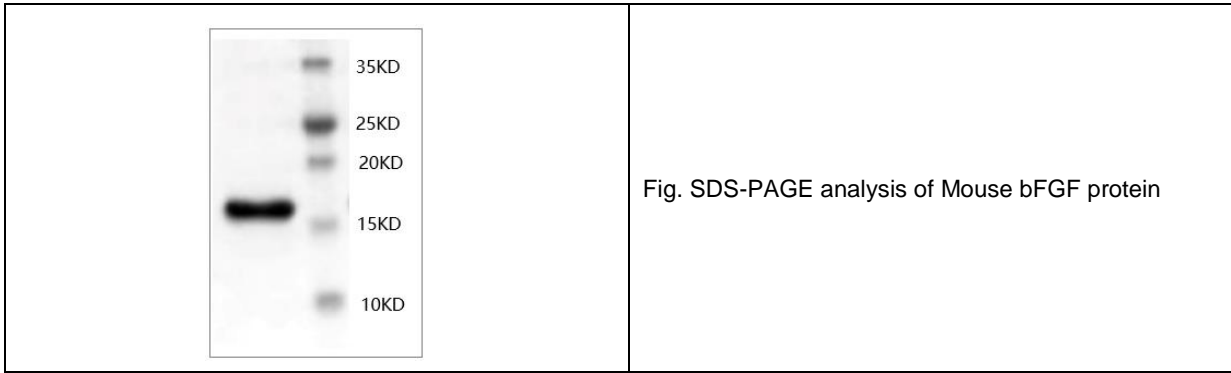
Protein length: The recombinant Mouse bFGF protein consists of 149 amino acids and predicts a molecular mass of 16.4 kDa.

Biological Activity: Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblasts. The ED₅₀ for this effect is typically 0.2 ng/mL.

Formulation: Lyophilized from sterile 400mM NaCl 20mM PB , pH 7.0.

Storage Instructions: Lyophilized Mouse bFGF protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°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 Mouse bFGF protein in sterile ddH₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.