

Mouse FGF4 Protein

Cat #: PRP1305

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse FGF4 Protein		
REF	Catalog Number: PRP1305	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: Fibroblast growth factor 4 (FGF4) is a member of the fibroblast growth factor (FGF) family that possess broad mitogenic and cell survival activities and play key roles in growth and survival of stem cells during embryogenesis, tissue regeneration, and carcinogenesis. FGF4 was identified by its strong oncogenic transforming activity and is a potent angiogenic factor, expressed in several highly vascularized tumors and also in adult mouse testis, intestine, and brain. Studies on the mouse homolog suggests a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway. Furthermore, FGF4 regulates neural progenitor cell proliferation and neuronal differentiation. Recent studies show a growth-promoting role for FGF4 in human embryonic stem cells and a putative feedback inhibition mechanism by a novel FGF4 splice isoform that may serve to promote differentiation at a later stages of development.

Sequence: Amino acid sequence derived from Mouse FGF4 (P11403) (Ser67-Leu202) was expressed.

Protein length: The recombinant Mouse FGF4 Protein consists of 136 amino acids and predicts a molecular mass of 15.15 kDa.

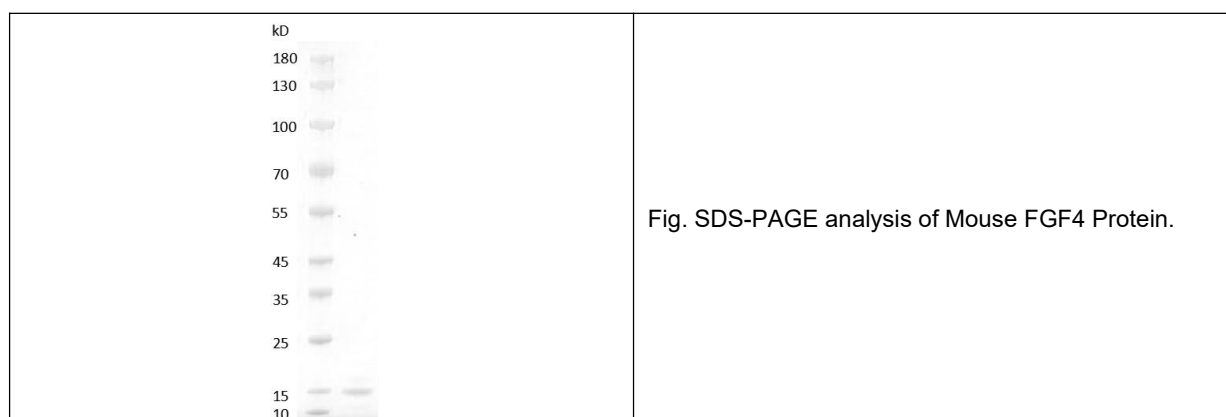
Biological Activity: Testing in Progress.

Endotoxin: <0.1 EU per µg of the protein by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris, 50 mM NaCl, pH8.0.

Storage Instructions: Lyophilized 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 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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