


Human FGF-17 Protein

Cat #: PRP1225

Size: 5 µg/20 µg/100 µg /1 mg

Product Information

	Product Name: Human FGF-17 Protein		
REF	Catalog Number: PRP1225	LOT	Lot Number: Refer to product label
	Purity: > 98 % 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 17(FGF-17) is a member of the heparin - binding growth factors family that is prominently expressed in the cerebellum and cortex. Proteins of this family possess broad mitogenic and cell survival activities and they are involved in a variety of biological processes including embryonic development cell growth, morphogenesis, tissue repair, tumor growth, and invasion. FGF-17 plays an important role in the regulation of embryonic development and it acts as signaling molecule in the induction and patterning of the embryonic brain. In addition, FGF-17 stimulates the proliferation and activation of cells that express FGF receptors.

Sequence: Amino acid sequence derived from Human FGF-17 (Thr23-Thr216) (O60258-1) was expressed.

Protein length: The recombinant Human FGF-17 consists of 194 amino acids and predicts a molecular mass of 22.6 kDa.

Biological Activity: Measured in a cell proliferation assay using NIH-3T3 mouse fibroblast cells. The EC50 for this effect is 23.58 ng/mL.

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

Formulation: Lyophilized from 20 mM Tris-HCl, 50mM 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. 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.

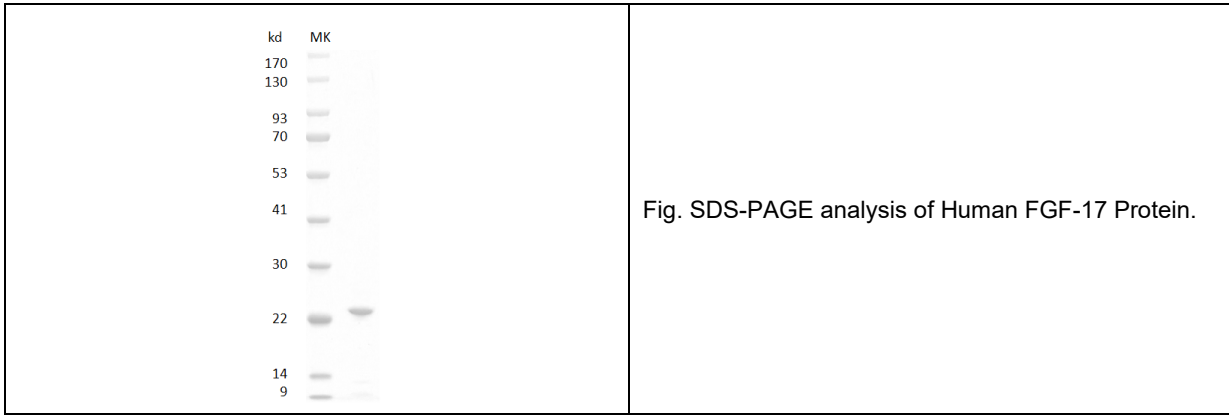


Fig. SDS-PAGE analysis of Human FGF-17 Protein.

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