


Human FGF 9 Protein

Cat #: PRP1071

Size: 5µg/20µg/100µg/1mg

Product Information

	Product Name: Human FGF 9 Protein		
REF	Catalog Number: PRP1071	LOT	Lot Number: Refer to product label
	Purity: > 96% 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 9 (FGF9) also known as Glia-activating factor or Heparin-binding growth factor 9, is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by neurons and may be important for glial cell development. Expression of the mouse homolog of this gene was found to be dependent on Sonic hedgehog (Shh) signaling. Mice lacking the homolog gene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embryogenesis. FGF9 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. FGF9 may have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.

Sequence: Amino acid sequence derived from Human FGF 9(P31371) (Met1-Ser208) was expressed.

Protein length: The recombinant Human FGF 9 consists of 206 amino acids and predicts a molecular mass of 23.2 kDa.

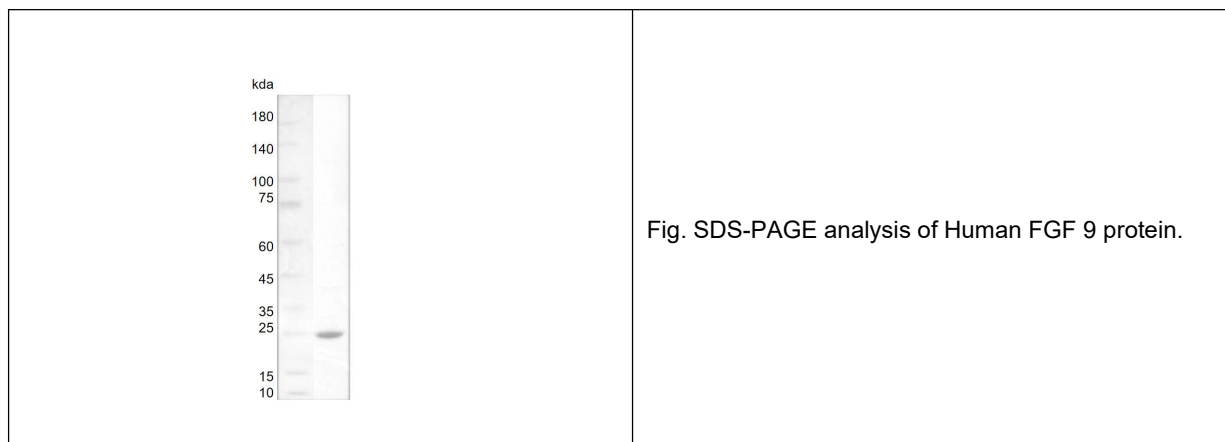
Biological Activity: Testing in progress.

Endotoxin: < 1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from 20mM Tris 150mM NaCl PH:8.0.

Storage Instructions: Lyophilized recombinant Human FGF 9 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 recombinant Human FGF 9 protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



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