

Human FGF-5 Protein, His tag (Animal-Free)

Cat #: PRP1009

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human FGF-5 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1009	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 Factors-5 (FGF-5) is a member of the fibroblast Growth Factors. FGF-5 have an important role in the regulation of cell proliferation and cell differentiation. In physiological function, FGF5 is a crucial regulator of hair growth in humans.

Sequence: Amino acid sequence derived from Human FGF-5 (Ala18-Gly268) (P12034-1) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human FGF-5 consists of 251 amino acids and predicts a molecular mass of 28.46 kDa.

Biological Activity: Measured by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is <0.7 ng/mL.

Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 8.0.

Storage Instructions: Lyophilized 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 (5% HSA, 10%FBS, 0.1%BSA or 5% trehalose solution). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using sterile H₂O, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.

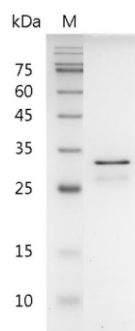


Fig. SDS-PAGE analysis of Human FGF-5 Protein.

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