

Human FGF-8a Protein, His tag (Animal-Free)

Cat #: PRP1196

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human FGF-8a Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1196	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: FGF-8 is a heparin binding growth factor belonging to the FGF family. Proteins of this family play a central role during prenatal development, postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. There are 4 known alternate spliced forms of FGF8; FGF-8A, FGF-8B, FGF-8E and FGF-8F. The human and murine FGF-8A and B are identical, unlike human and mouse FGF-8E and F, which are 98% identical. FGF-8 targets mammary carcinoma cells and other cells expressing the FGF receptors.

Sequence: Amino acid sequence derived from Human FGF-8a (Gln52-Arg233) (P55075) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human FGF-8a consists of 182 amino acids and predicts a molecular mass of 22.14 kDa.

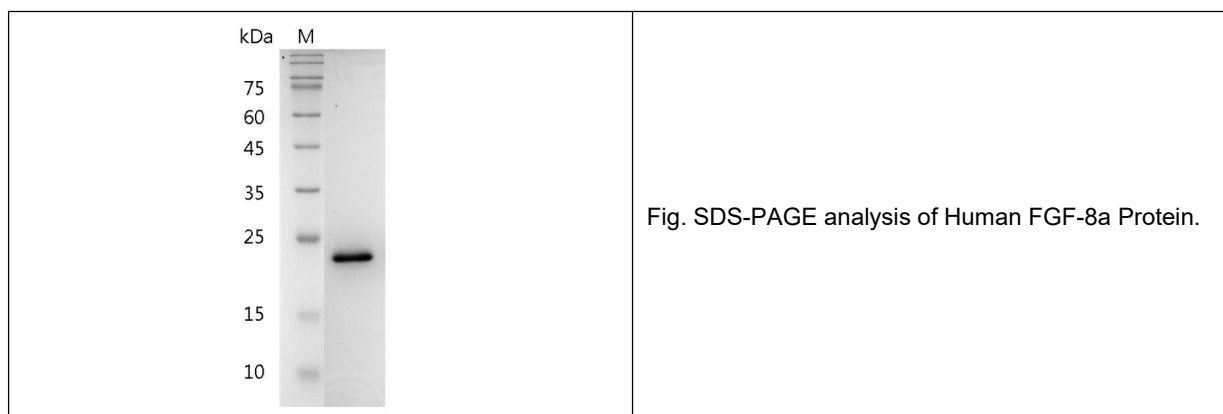
Biological Activity: Measure by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is <2 µg/mL.

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

Formulation: Lyophilized from 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 or 0.1% BSA). 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 the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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