

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

Cat #: PRP1965      Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Human FGF-8a Protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP1965	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 98 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> 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.

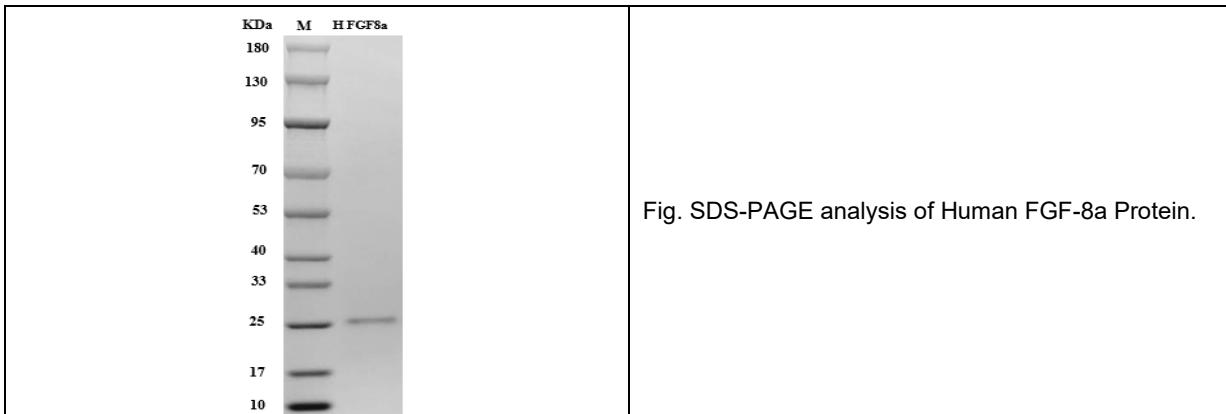
**Biological Activity:** Measure by its ability to induce 3T3 cells proliferation. The ED<sub>50</sub> for this effect is <2 µg/mL.

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

**Formulation:** Liquid in from sterile 20 mM Tris, 150 mM NaCl, pH 8.0, 5% Glycerol, 1 mM EDTA.

**Storage Instructions:** The 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 diluted the protein using the PBS buffer or Protein storage solution to working concentration.



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