


## Human aFGF protein

Cat #: PRP100008

Size: 10µg/100µg/1mg

### Product Information

	<b>Product Name:</b> Human aFGF protein		
<b>REF</b>	<b>Catalog Number:</b> PRP100008	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 95 % 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:** aFGF, also known as FGF1 and HBGF-1, is a member of the fibroblast growth factor family. The biological activity of aFGF protein is exerted through binding to four high affinity cell surface receptors (FGFR1–4), which results in receptor dimerization and transphosphorylation in the tyrosine kinase domain. aFGF protein shows a wide range of endocrine-like activities. As a multiple function growth factor, this protein is involved in embryo development and tissue repair. Additionally, this protein is considered to function in several important physiological and pathological processes, such as embryonic development, morphogenesis, angiogenesis, wound healing and atheromatosis, carcinogenesis, development, and invasion of cancer.

**Sequence:** Amino acid sequence derived from mature form of human FGF acidic (AAA79245.1) (Phe 16-Asp 155) was expressed, with an additional Met at the N-terminus.

**Protein length:** The recombinant human FGF acidic consists of 141 amino acids and has a calculated molecular mass of 16 kDa as estimated by SDS-PAGE under reducing conditions.

**Formulation:** Lyophilized from sterile PBS, pH 7.4.

**Storage Instructions:** Lyophilized Human aFGF 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 (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human aFGF protein in PBS (pH 7.4) not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

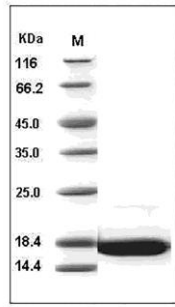


Fig. SDS-PAGE analysis of Human aFGF protein.

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