

**FGF-4, human recombinant protein**  
**FGF4; HBGF-4; HST; HST-1; HSTF1; K-FGF; KFGF**  
**Catalog # PBV10065r****Specification**

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**FGF-4, human recombinant protein - Product info**

Primary Accession [P08620](#)  
Calculated MW **19.0 kDa**

**FGF-4, human recombinant protein - Additional Info**

Gene ID	<b>2249</b>
Gene Symbol	<b>FGF-4</b>
<b>Other Names</b>	
FGF4; HBGF-4; HST; HST-1; HSTF1; K-FGF; KFGF, Heparin secretory-transforming protein 1, Heparin-binding growth factor 4, Transforming protein KS3	
Gene Source	<b>Human</b>
Source	<b>E. coli</b>
Assay&Purity	<b>SDS-PAGE; ≥97%</b>
Assay2&Purity2	<b>HPLC;</b>
Recombinant	<b>Yes</b>
Results	<b>.25-1.25 ng/ml.</b>
<b>Target/Specificity</b>	
FGF-4	

**Application Notes**

When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile H<sub>2</sub>O at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

**Format**

Lyophilized protein

**Storage**

-20°C; Lyophilized from a sterile solution containing 10 mM Sodium phosphate buffer and 75 mM NaCl.

**FGF-4, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FGF-4, human recombinant protein - Images****FGF-4, human recombinant protein - Background**

Fibroblast Growth Factor 4 (FGF-4) is a growth factor predominantly expressed during embryonic development, playing a key role in limb development. In culture, FGF-4 has been shown to be an important growth factor for fibroblasts and endothelial cells. Human FGF-4 shares high homology and cross-reactivity with the mouse protein. Recombinant human FGF-4, produced in E.coli, is a non-glycosylated protein containing 177 amino acids and having a total molecular mass of 19 kDa.

**FGF-4, human recombinant protein - References**

Mayshar Y., et al. Stem Cells 26:767-774(2008).  
Yoshida T., et al. Proc. Natl. Acad. Sci. U.S.A. 84:7305-7309(1987).  
Taira M., et al. Proc. Natl. Acad. Sci. U.S.A. 84:2980-2984(1987).  
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Ornitz D.M., et al. J. Biol. Chem. 271:15292-15297(1996).