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## Recombinant Human FGF-6

**Description:** The FGFs play key roles in controlling tissue growth, morphogenesis, and repair in animals. Fibroblast Growth Factor-6 is a newly discovered heparin binding growth factor that stimulates the proliferation and activation of cells that express FGF receptors. Human FGF-6 is a 18.7 kDa protein containing 168 amino acid residues.

<b>Source:</b>	E. coli
<b>Molecular Weight:</b>	18.7 kDa
<b>Purity:</b>	> 95% by SDS-PAGE and HPLC analyses
<b>Endotoxin level:</b>	< 0.1 ng per of FGF-6
<b>Stabilizer:</b>	none
<b>Formulation:</b>	lyophilized

**Biological Activity:** Human FGF-6 is fully biologically active when compared to standards. The ED<sub>50</sub> as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is 0.5-1.0 ng/ml.

**Reconstitution:** The human FGF-6 should be reconstituted in 10 mM Sodium Phosphate, pH 7.2 + 50 mM NaCl to a concentration of > 1 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C. For most in vitro applications, FGF-6 exerts its biological activity in the concentration range of 0.1 to 20.0 ng/ml.

**Stability:** The lyophilized human FGF-6, though stable at room temperature, is best stored desiccated below 0°C. Freeze/thaw cycles will result in significant loss of activity. **Avoid repeated freeze-thaw cycles.**

**Usage:** Human FGF-6 is offered for research use. Not for drug use. **Not for human use.**

**Catalogue number:** 100-019

**Size:** 25 µg

**Range:** 0.1-20.0 ng/ml

**\*\*Please note: always centrifuge product before opening vial!\*\***