

**RELIA**Tech GmbH  
Lindenerstr. 15  
38300 Wolfenbüttel  
Germany

Tel.: +49 5331 8586 987  
Fax.: +49 5331 8586 989  
Email: [info@reliatech.de](mailto:info@reliatech.de)  
web: [www.reliatech.de](http://www.reliatech.de)

## Recombinant Human FGF-5

**Description:** Fibroblast Growth Factor-5 is a heparin binding growth factor which stimulates the proliferation and activation of cells that express FGF receptors. Human FGF-5 is a 27.5 kDa protein containing 252 amino acid residues.

<b>Source:</b>	E. coli
<b>Molecular Weight:</b>	27.5 kDa
<b>Purity:</b>	> 95% by SDS-PAGE and HPLC analyses
<b>Endotoxin level:</b>	< 0.1 ng per of FGF-17
<b>Stabilizer:</b>	none
<b>Formulation:</b>	lyophilized

**Biological Activity:** Human FGF-5 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-5 should be reconstituted in 1 x PBS, pH 7.2 to a concentration of 0.5-1.0 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C. For most in vitro applications, FGF-5 exerts its biological activity in the concentration range of 0.1 to 20.0 ng/ml.

**Stability:** The lyophilized human FGF-5, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted FGF-5 should be stored in working aliquots at -20°C. Freeze/thaw cycles will result in significant loss of activity. **Avoid repeated freeze-thaw cycles.**

**Usage:** Human FGF-5 is offered for research use. Not for drug use. **Not for human use.**

**Catalogue number:** 100-018

**Size:** 50 µg

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

**\*\*please note: always centrifuge product before opening Vial.\*\***