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Recombinant Human FGF-18

Description: The FGFs play key roles in controlling tissue growth, morphogenesis, and repair in animals. Fibroblast Growth Factor-18 is a newly discovered heparin binding growth factor that stimulates the proliferation and activation of cells that express FGF receptors. Human FGF-18 is a 21.2 kDa protein containing 182 amino acid residues.

Source:	E. coli
Molecular Weight:	21.2 kDa
Purity:	> 95% by SDS-PAGE and HPLC analyses
Endotoxin level:	< 0.1 ng per µg of FGF-18
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: Human FGF-18 is fully biologically active when compared to standards. The ED₅₀ 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-18 should be reconstituted in water 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-18 exerts its biological activity in the concentration range of 0.1 to 20.0 ng/ml.

Stability: The lyophilized human FGF-18, 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-18 is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-025

Size: 25 µg

Range: 0.1-20.0 ng/ml

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