

**RMCH107**

Recombinant FGF-18 (Fibroblast growth factor-18), Human, AF



5ug;20ug;100ug;500ug;

|                |                                      |
|----------------|--------------------------------------|
| <b>Order</b>   | 021-34695924<br>orders@ab-mart.com   |
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**Synonym/Alternative name(s) :** FGFI, zFGF5

**Activity:**

Measure by its ability to induce 3T3 cells proliferation.

The ED50 for this effect is 1.3-2.0 ng/mL.

The specific activity of recombinant human FGF-18 is > 5 x 10<sup>5</sup> IU/mg.

**Protein Description:**

FGF-18 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-18 is required for normal skeletal development. It recruits osteoclasts and osteoblasts to the growth plate, promotes osteoclast formation and function, inhibits osteoblast differentiation, promotes skeletal vascularization, and induces chondrocyte hypertrophy and cartilage matrix formation.

**Protein Accession :** O76093.1

**Gene ID :** 8817

**Expression Sequence:**

MAEENVDFRIHVENQTRARDDVSRKQLRLYLQYSRTSGKHIQVLGRRISARGEDGDKYAQLLVETDTFGSQVRIKGETEFYLCMNRKG  
KLVGKPDGTSKECVFIEKVLNNYTALMSAKYSGWYVGFTEKGRPRKGPKTRENQQDVHFMKRYPKGQPELQKPFKYTTVTKRSR  
with polyhistidine tag at the C-terminus.

**Fusion tag :** His-tag?at?the?C-terminus

**Species :** Human

**Reactivity :** Human

**Expression Host :** Escherichia coli

**Source :** E. coli

**Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

**Endotoxin level:**

<0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 21.11 kDa

**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

**Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping :** Blue Ice

**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

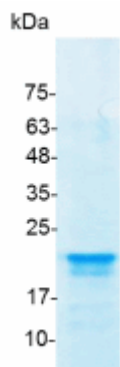
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant human FGF-18