

# Recombinant Human FGF-18

**CATALOG #:** 4082-25 25 µg  
4082-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** >95% by SDS-PAGE and HPLC analyses  
Endotoxin level is <0.1 ng per µg of FGF-18.

**MOL. WEIGHT:** 21.2 kDa

## FORM:

Lyophilized from 10 mM Tris pH 8.0. The protein may appear as a haze or film, which you may not see at the bottom of the vial.

## RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 5 mM Tris, pH 8.0 to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

## STORAGE CONDITIONS:

The lyophilized FGF-18 is best-stored desiccated below 0°C. Reconstituted FGF-18 should be stored in working aliquots at -20°C. Repeated Freeze/thaw cycles will result in some loss of activity.

## DESCRIPTION:

The FGFs plays an important role in regulating tissue growth, morphogenesis and tissue repair. FGF-18 is a newly discovered heparin binding growth factor that stimulates the proliferation and activation of cells that express FGF receptors. The human FGF-18 is a 21.2 kDa protein containing 182 amino acid residues.

## BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is ≤0.5 ng/ml, corresponding to a specific activity of ≥2 x 10<sup>6</sup> units/mg.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

## RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

### Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
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- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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