

# Recombinant Human FGF-10

<b>CATALOG #:</b>	4060-25
<b>AMOUNT:</b>	25 µg
<b>LOT #:</b>	_____
<b>SOURCE:</b>	<i>E. coli</i>
<b>PURITY:</b>	≥98% by SDS-PAGE Endotoxin level is <0.1 ng per µg of FGF-10.
<b>MOL. WEIGHT:</b>	19.3 kDa

## FORM:

Sterile filtered and lyophilized with no additives. This 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. It is recommended that sterile PBS + 50 µg sterile BSA per µg of FGF-10 be added to the vial to prepare a working stock solution of no less than 100 µg/mL of FGF-10.

## STORAGE CONDITIONS:

The lyophilized FGF-10 is best-stored desiccated below 0°C. Reconstituted FGF-10 should be stored at working aliquots at -20°C. Repeated freeze/thaw cycles will result in some loss of activity.

## DESCRIPTION:

Fibroblast Growth Factor-10 (also called KGF-2) is a heparin binding growth factor that stimulates the proliferation and activation of cells that express FGF receptors. FGF-10 is mostly related to FGF-7/KGF and is expressed during development and preferentially in adult lungs. The human FGF-10 is a 19.3 kDa protein containing 170 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 ≤1 ng/ml, corresponding to a specific activity of ≥1 x 10<sup>6</sup> units/mg.

## RELATED PRODUCTS:

### Apoptosis Detection Kits & Reagents

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

### Cell Fractionation System

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

### Cell Proliferation & Senescence

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

### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

### Growth Factors and Cytokines

### Monoclonal and Polyclonal Antibodies