

Recombinant Human FGF-22

CATALOG #:	4063-10	10 µg
	4063-50	50 µg
	4063-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	≥97% by SDS-PAGE, and RP- HPLC Endotoxin level is < 0.01 ng per µg of FGF-22.	
MOL. WEIGHT:	17.3 kDa	
FORM:	Sterile lyophilized powder with no additives.	

RECONSTITUTION:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1mg/ml, which can then be further diluted to other aqueous solutions.

STORAGE CONDITIONS:

The lyophilized FGF-22 is best-stored desiccated below 0°C. Reconstituted FGF-22 should be stored at working aliquots at -20°C. Repeated freeze/thaw cycles will result in some loss of activity.

DESCRIPTION:

Human FGF-22 is a member of the FGF-7 subfamily of growth factors. Human FGF-22 shares 86% homology to Mouse FGF-22, and is synthesized by multiple cell lines including neurons, keratinocytes and skeletal muscle myotubes. It is believed to function as an organizer of the presynaptic apparatus. Recombinant Human FGF-22 is a nonglycosylated polypeptide protein consisting of 149 amino acids and a molecular weight of 17.3 kDa.

AMINO ACID SEQUENCE:

MTPSASRGPR SYPHLEGDVR WRRLFSSTHF FLRVDPGGRV QGTRWRHGQD
SILEIRSVHV GVVVIVKAVSS GFYVAMNRRG RLYGSRLYTV DCRFRERIEE NGHNTYASQR
WRRRQPMFL ALDRGGPRP GGRTRRYHLS AHFLPVLVS

BIOLOGICAL ACTIVITY:

Activity, as determined by the dose-dependent proliferation of 4MBr-5 cells, is typically 50-300 ng/ml.

FOR RESEARCH USE ONLY! Not to be used on humans.

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