

Recombinant Human IGF-II

CATALOG #:	4122-50	50 µg
	4122-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC Endotoxin level is <0.1 ng per µg of IGF-II.	
MOL. WEIGHT:	7.5 kDa	
FORMULATION:	Lyophilized with no additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 10 mM acetic acid to a concentration of 0.1-1 mg/ml. This solution can be diluted into other aqueous buffers and or stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized IGF-II is best stored desiccated below 0°C. Reconstituted IGF-II should be stored at working aliquots at -20°C.

DESCRIPTION:

IGF-II (Insulin-like Growth Factor-II) is a polypeptide growth factor that stimulates the proliferation of a wide range of cell types. Human IGF-II is a 7.5 kDa protein containing 67 amino acid residues.

BIOLOGICAL ACTIVITY:

The recombinant human IGF-II is biologically active when compared to standard. The ED₅₀ as determined by competitive binding against plasma-derived IGF-II to human placental membranes is ≤1.0 ng/ml, corresponding to a specific activity of ≥1 x 10⁶ units/mg.

FOR RESEARCH USE ONLY! Not to be used on human subjects.

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