

Recombinant Rat Interleukin-6 (IL-6)

CATALOG #:	4145-10	10 µg
	4145-50	50 µg
	4145-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>90% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of IL-6.	
MOL. WEIGHT:	21.7 kDa	
FORMULATION:	Lyophilized without any additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 10 mM HCl to a concentration of 0.1-1.0 µg/µl. The solution can then be diluted into other aqueous buffers and stored at 4° for 1 week or -20°C for future use. For long-term storage, it is recommended to add a carrier protein (0.1% BSA). Prevent freeze/thaw cycles.

STORAGE CONDITIONS:

The lyophilized IL-6 is best-stored desiccated below 0°C. Reconstituted IL-6 should be stored at working aliquots at -20°C.

DESCRIPTION:

IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B cells and T cells. Recombinant rat IL-6 is a 21.7 kDa protein containing 187 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of the IL-6 dependent murine 7TD1 cells is ≤0.01 ng/ml, corresponding to a specific activity of ≥1 x 10⁸ units/mg.

FOR RESEARCH USE ONLY. Not to be used in 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