

Recombinant Human Interleukin-5 (IL-5)

CATALOG #:	4140-10	10 µg
	4140-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per µg of IL-5.	
MOL. WEIGHT:	26.5 kDa	
FORMULATION:	Lyophilized with no additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1 mg/ml. The solution can be diluted into other buffered solutions or stored at -20°C for future use. For most *in vitro* applications, IL-5 exerts its biological activity in the concentration range of 0.1 to 10 ng/ml.

STORAGE CONDITIONS:

The lyophilized IL-5 is best-stored desiccated below 0°C. Reconstituted IL-5 should be stored at working aliquots at -20°C. For long-term storage, it is recommended to add a carrier protein (0.1% HAS or BSA). Avoid freeze/thaw cycles.

DESCRIPTION:

IL-5 is a potent T-cell derived factor that stimulates the growth of certain B cells and the differentiation of eosinophils. Human IL-5 is a 26.5 kDa protein containing 232 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is <0.15 ng/ml, corresponding to a specific activity of >6 x 10⁶ units/mg.

NOTE: For research use only! Not to be used in humans.

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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

- Mitochondria/Cytosol Fractionation Kit
- 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
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- PLTP Activity Assay & Drug Discovery Kits
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