

# Recombinant Human IL-16

<b>CATALOG #:</b>	4173-10	10 µg
	4173-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>98% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per µg of IL-16.	
<b>MOL. WEIGHT:</b>	13.5 kDa	
<b>FORMULATION:</b>	Lyophilized from 5 mM Sodium Phosphate, pH 7.6	

## RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1 mg/ml. The solution can then be diluted into other aqueous buffers and store at 4°C for 1 week or – 20°C for future use.

## STORAGE CONDITIONS:

The lyophilized IL-16 is best-stored desiccated below 0°C. Reconstituted IL-16 should be stored at working aliquots at -20°C.

## DESCRIPTION:

Interleukin 16 (IL-16), also known as lymphocyte chemoattractant factor (LCF), stimulates a migratory response in CD4+ T cells and CD4+ monocytes and eosinophils. In addition, human IL-16 induces expression of the IL-2 receptor by T cells. Human IL-16 is a 13.5 kDa protein containing 130 amino acid residues.

## BIOLOGICAL ACTIVITY:

Determined by its ability to chemoattract human CD4+ T lymphocytes using a concentration range 1.0 to 100 ng/ml, corresponding to a specific activity greater than 1000 IU/mg.

**USAGE:** For Research Purpose Only. Not to be used in humans.

## RELATED PRODUCTS:

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- 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

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- 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

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- 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