

## Recombinant Rat Interleukin-5 (IL-5)

**CATALOG #:** 4142-10 10 µg  
4142-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** >98% by SDS-PAGE and HPLC analyses  
Endotoxin level is <0.1 ng per µg of IL-5.

**MOL. WEIGHT:** 13.1 kDa

**FORM:** Lyophilized (from 1 mg/ml in sterile solution with no additives)

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-0.5 mg/ml. The solution can be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

### 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.

### DESCRIPTION:

IL-5, also known as eosinophil differentiation factor. It regulates eosinophil growth and activation. The recombinant IL-5 is a dimeric, non-glycosylated polypeptide with 113 amino acids.

### BIOLOGICAL ACTIVITY:

Rat IL-5 is fully biologically active when compared to standard. The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of BCL-1 cells is 0.3-1 ng/ml.

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

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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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