

### 32-20341: Recombinant Human IL-5(Discontinued)

**Reactivity :** Guinea Pig, Human, Monkey, Mouse

**Alternative Name :** EDF, BCDFII, TRF

#### Description

**Source:** *E. coli* IL-5 is a hematopoietic growth factor that stimulates the proliferation and activation of eosinophils. Produced by mast cells, T cells, and eosinophils, IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. Elevated levels of IL-5 lead to Eosinophilia, which may result in the induction of asthma and other allergic diseases. Human and murine IL-5 is cross-species reactive. Recombinant Human IL-5 is a 26.5 kDa disulfide-linked homodimeric protein containing two 116 amino acid chains.

#### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity:  $\geq 98\%$  by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MIPTEIPTSA LVKETLALLS THRTLLIANE TLRIPVPVHK NHQLCTEEIF QGIGTLESQT VQGGTVERLF  
KNLSLIKKYI DGQKKKCGEE RRRVNQFLDY LQEFLGVMNT EWIIES

#### Application Note

The  $ED_{50}$  as determined by the dose-dependent proliferation of TF-1 cells was  $\leq 0.15$  ng/ml, corresponding to a specific activity of  $\geq 6.6 \times 10^6$  units/mg.