

## 32-20342: Animal-Free Recombinant Human IL-5(Discontinued)

**Reactivity :**

**Alternative Name :** Interleukin-5, 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 are 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.