

## 32-20344: Recombinant Rat IL-5(Discontinued)

**Reactivity :** Human  
**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. Recombinant Rat IL-5 is a 26.0 kDa disulfide-linked homodimeric protein containing two 113 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 :** MEIPMSTVVK ETLIQLSTHR ALLTSNETMR LPVPTHKNHQ LCIGEIFQGL DILKNQTVRG GTVEILFQNL  
SLIKKYIDGQ KEKCGEERRK TRHFLDYLQE FLGVMSTEWA MEV

### Application Note

The  $ED_{50}$  was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is  $\leq 0.5$  ng/ml, corresponding to a specific activity of  $\geq 2 \times 10^6$  units/mg.