

### 32-20343: Recombinant Murine IL-5(Discontinued)

**Reactivity :** Human, 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 Murine IL-5 is a 26.2 kDa disulfide-linked homodimeric protein containing two 113 amino acid chains.

#### Product Info

**Amount :** 5 µg / 25 µg  
**Purification :** Purity:  $\geq 98\%$  by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** MEIPMSTVVK ETLTQLSAHR ALLTSNETMR LPVPTHKNHQ LCIGEIQGL DILKNQTVRG GTVEMLFQNL  
SLIKKYIDRQ KEKCGEERRR TRQFLDYLQE FLGVMSTEWA MEG

#### Application Note

The  $ED_{50}$  was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is  $\leq 2.0$  ng/ml, corresponding to a specific activity of  $\geq 5 \times 10^5$  units/mg.