

## 32-12147: Human Interleukin-5

**Gene :** IL5  
**Gene ID :** 3567  
**Uniprot ID :** P05113

**Alternative Name :** B-cell differentiation factor I, Eosinophil differentiation factor, T-cell replacing factor, TRF

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Dimer, 13.3/26.6 kDa (116/232 aa)

Interleukin 5 (IL-5) is a hematopoietic growth factor that is expressed in type 2 T helper (Th2) cells, mast cells, and eosinophils. IL-5 acts through the IL-5 receptor (IL-5R), stimulates B cell growth, and mediates eosinophil activation. Human and mouse IL-5 show cross-reactivity.

### Product Info

**Amount :** 10 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 95\%$   
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium glycinate, pH 8.5  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at  $-20^{\circ}\text{C}$   
**Amino Acid :** MIPTEIPTSA LVKETLALLS THRTLLIANE TLRIPVPVHK NHQLCTEEIF QGIGTLESQT VQGGTVERLF  
KNLSLIKKIYI DGQKKKCGEE RRRVNVQFLDY LQEFLGVMNT EWIIES

### Application Note

**Endotoxin:** Less than  $0.1 \text{ ng}/\mu\text{g}$  (1 IEU/ $\mu\text{g}$ ) as determined by LAL test.

Biological Activity was determined by TF-1 cell proliferation at  $\leq 250 \text{ pg/mL}$ ;  $\geq 4.0 \times 10^6 \text{ units/mg}$ . Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



