

## 32-8439: Recombinant Human Interleukin-5/IL-5 (C-6His)

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

### Description

Source: Human Cells.  
MW :14.2kD.

Recombinant Human Interleukin-5 is produced by our Mammalian expression system and the target gene encoding Ile20-Ser134 is expressed with a 6His tag at the C-terminus. IL-5 is expressed in eosinophils, NK cells, TC2 CD8+ T cells, mast cells, CD45+ CD4+ T cells, gamma delta T cells and IL-1 beta activated endothelial cells. IL-5 acts as a growth and differentiation factor for both B cells and eosinophils. Relative to B cells, IL-5 appears to induce the differentiation of activated conventional B-2 cells into Ig-secreting cells. In addition, it induces the growth of B-1 progenitors as well as IgM production by B-1 cells. IL-5 appears to perform a number of functions on eosinophils. These include the down modulation of Mac-1, the upregulation of receptors for IgA and IgG, the stimulation of lipid mediator (leukotriene C4 and PAF) secretion and the induction of granule release. IL-5 also promotes the growth and differentiation of eosinophils.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** IPTEIPTSALVKETLALLSTHRTLIIANETLRIPVPVHKNHQLCTEEIFQIGTLESQTVQGGTVERLFGKNSLIKKYI  
DGQKKKCGEERRRVNQFLDYLQEFLGVMNTEWIIIESVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.