

### 32-20434: Recombinant Human IL-11(Discontinued)

**Reactivity :** Human, Monkey, Mouse  
**Alternative Name :** AGIF (Adipogenesis inhibitory factor)

#### Description

**Source:** E.coli IL-11 is a multifunctional cytokine produced by stromal cells, such as fibroblasts, epithelial cells and osteoclasts. It is expressed in a wide variety of tissues, including thymus, lung, bone, connective tissue and central nervous system. IL-11 plays an important regulatory role in hematopoiesis by stimulating growth of myeloid, erythroid and megakaryocyte progenitor cells. It also regulates bone metabolism, inhibits production of proinflammatory cytokines, and protects against gastromucosal injury. Recombinant Human IL-11 is a 19.3 kDa protein consisting of 179 amino acid residues.

#### Product Info

**Amount :** 2 µg / 10 µg  
**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** MPGPPPGPPR VSPDPRAELD STVLLTRSLL ADTRQLAAQL RDKFPADGDH NLDSLPTLAM  
SAGALGALQL PGVLTRLRAD LLSYLRHVQW LRRAGGSSLK TLEPELGTLQ ARLDRLRLRL  
QLLSRLALP QPPDPAPP LAPPSSAWGG IRAAHAILGG LHLTLDWAVR GLLLLKTRL

#### Application Note

The  $ED_{50}$  was determined by the dose-dependent stimulation of the proliferation of murine T11 cells is  $\leq 2.0$  ng/ml, corresponding to a specific activity of  $\geq 5 \times 10^5$  units/mg.