

## 32-7006: Recombinant Human Interleukin-11/IL-11

**Gene :** IL11  
**Gene ID :** 3589  
**Uniprot ID :** P20809

### Description

Source: E. coli.  
MW :19kD.

Recombinant Human Interleukin-11 is produced by our Yeast expression system and the target gene encoding Gly23-Leu199 is expressed. Interleukin 11 (IL-11) is a thrombopoietic growth factor that directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production. IL-11 is a member of a family of human growth factors that includes human growth hormone, granulocyte colony-stimulating factor, and other growth factors.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 2% Glycine, pH 7.2.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** 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 :** GPPPGPPRVSPDPRAELDSTVLLTRSLLDATRQLAAQLRDKFPADGDHNLDSLPTLAMSAGALGALQLPGVLTR  
LRADLLSYLRHVQWLRRRAGGSSLKTLEPELGTQLARLDRLRLQLLMSRLALPQPPDPPAPPLAPPSSAWGG  
IRAAHAILGGLHLTLDWAVRGLLLKTRL

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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

**Biological Activity :** ED50 is less than 0.2 ng/ml. Specific Activity of 8.0 x 10<sup>6</sup> IU/ mg, measured by the dose-dependent stimulation of murine 7TD1 proliferation.