

## 32-8532: Recombinant Mouse Interleukin-11/IL-11 (C-Fc)

**Gene :** IL11  
**Gene ID :** 16156  
**Uniprot ID :** P47873

### Description

Source: Human Cells.  
MW :46.3kD.

Recombinant Mouse Interleukin-11 is produced by our Mammalian expression system and the target gene encoding Pro22-Leu199 is expressed with a Fc tag at the C-terminus. Interleukin-11(IL-11) is a secreted protein and belongs to the IL-6 superfamily. IL-11 has been demonstrated to improve platelet recovery after chemotherapy-induced thrombocytopenia, induce acute phase proteins, modulate antigen-antibody responses, participate in the regulation of bone cell proliferation and differentiation and could be used as a therapeutic for osteoporosis. IL-11 stimulates the growth of certain lymphocytes and, in the murine model, stimulates an increase in the cortical thickness and strength of long bones. In addition to having lymphopoietic/hematopoietic and osteotrophic properties, it has functions in many other tissues, including the brain, gut, testis and bone.

### 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 :** PGGPAGSPRVSSDPRADLDSAVLLTRSLADTRQLAAQMRDKFPADGDHSLDSLPTLAMSAGTLGSLQLPGVL  
TRLRVDLMSYLRHVQWLRAGGPSLKTLEPELQALQARLERLLRRLQLLMSRLALPQAAPDQPVIPGPPASAW  
GSIRAAHAILGGLHLTLDWAVRGLLLKTRLVDDIEGRMDEPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDT  
LMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCK  
VSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPPV  
LSDGGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

### Application Note

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