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32-9081: Recombinant Pig Interleukin-11/IL-11 (N-His)

Alternative Name : Interleukin-11; IL-11; Adipogenesis Inhibitory Factor; AGIF; Oprelvekin; IL11

Description

Source : E. coli;
Interleukin 11 (IL-11) is a pleiotropic cytokine that belongs to the IL-6 family. As a thrombopoietic growth factor, IL-11 directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production. IL-11 also promotes the proliferation of hepatocytes in response to liver damage. Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2, it activates a signaling cascade that promotes cell proliferation. The signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3. IL-11 is found 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.

Product Info

Amount : 500 µg / 50 µg

Content : Supplied as a 0.2 um filtered solution of 2umM Tris-HCl, 30umM NaCl, 10% Glycerol, pH8.0

Amino Acid : Recombinant Pig Interleukin-11 is produced by E.coli. The target gene encoding G23-L199 is expressed with a 6His tag at the N terminus.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.