

## Recombinant Cynomolgus IL11 Protein, His-tagged

Cat. No. IL11-939C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Cynomolgus IL11 Protein(XP_005595839.2) (Phe22-Leu199), fused to His tag, was expressed in E. coli.
<b>Species</b>	Cynomolgus
<b>Source</b>	E.coli
<b>ProteinLength</b>	Phe22-Leu199
<b>Description</b>	<p>IL11 is a multifunctional cytokine first isolated in 199 from bone marrow-derived stromal cells. It is a key regulator of multiple events in hematopoiesis, most notably the stimulation of megakaryocyte maturation. IL11 is also known under the names adipogenesis inhibitory factor (AGIF) and oprelvekin. IL11 can 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. IL11 stimulates the growth of certain lymphocytes and, in the murine model, stimulates an increase in the cortical thickness and strength of long bones. As a signaling molecule, IL11 has a variety of functions associated with its receptor interleukin 11 receptor alpha; such functions include placentation and to some extent of decidualization.</p>
<b>Form</b>	<p>Lyophilized from sterile 50mM Tris, 50mM NaCl, pH 8.3</p> <p>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

protectants before lyophilization.

**Molecular Mass** It has a calculated molecular mass of 20.19 kDa.

**Purity** > 90 % as determined by SDS-PAGE.

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [LOC102128313 interleukin-11 \[ Macaca fascicularis \(crab-eating macaque\) \]](#)

**Official Symbol** [IL11](#)

**Synonyms** IL11; IL-11

**Gene ID** [102128313](#)

**mRNA Refseq** [XM\\_015444807.1](#)

**Protein Refseq** [XP\\_005595839.2](#)

**UniProt ID** [P20808](#)

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