


Human IL-11 Protein

Cat #: PRP1952

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-11 Protein		
REF	Catalog Number: PRP1952	LOT	Lot Number: Refer to product label
	Purity: > 95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E. coli</i>
	Shipping: The product is shipped at ambient temperature.		

Background: 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.

Sequence: Amino acid sequence derived from IL11 Human (Pro22-Leu199) (P20809) was expressed.

Protein length: The recombinant Human IL-11 consists of 178 amino acids and predicts a molecular mass of 19.14KDa

Biological Activity: Testing in progress.

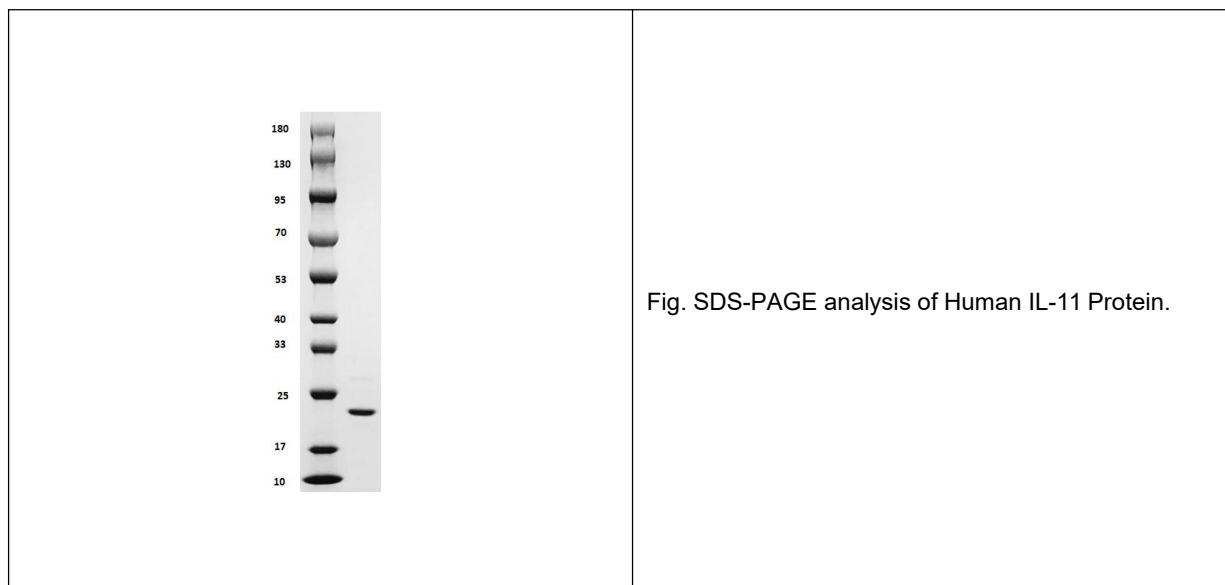
Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris with 150 mM NaCl, pH 7.4.

Storage Instructions: Lyophilized recombinant Human IL-11 Protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant Human

IL-11 Protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



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