Active Recombinant Human IL11 protein, His-tagged

Cat. No. IL11-503H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL11 protein(P20809)(22~199 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-199 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Interleukin 11 (IL-11) is a multifunctional cytokine. It is a key regulator of multiple events in hematopoiesis, most notably the stimulation of megakaryocyte maturation. 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 IL-11 causes bone-resorption. Besides, IL-11 have been proved can promote migration of A549 cells, 5×10^4 cells were seeded into 6 well plates. After cell confluent, replace with DMEM without serum overnight. Using a (yellow) pipette tip make a straight scratch, simulating a wound, then washing the wells three times with PBS. Adding 1% serum standard DMEM containing various concentrations of recombinan human IL-11 to each well, incubating the plate for 48 hours at 37°C, 5% CO2.
Molecular Mass	20.8kDa

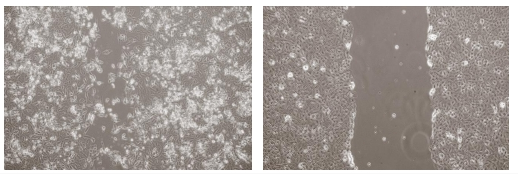
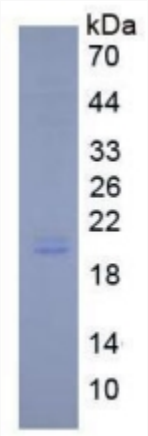
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<1.0EU per 1μg (determined by the LAL method).
Purity	> 97% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	IL11 interleukin 11 [Homo sapiens]
Official Symbol	IL11
Synonyms	IL11; interleukin 11; interleukin-11; adipogenesis inhibitory factor; AGIF; IL 11; oprelvekin; IL-11;
Gene ID	3589
mRNA Refseq	NM_000641
Protein Refseq	NP_000632
MIM	147681
UniProt ID	P20809

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Activity	
SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA