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32-12171: Human Interleukin-11 (AF)

 Gene :
 IL11

 Gene ID :
 3589

 Uniprot ID :
 P20809

Alternative Name: AGIF (Adipogenesis Inhibitory Factor), oprelvekinÂ

Description

Source: Genetically modified E.coli.

Predicted MW:Â Monomer, 19.3 kDa (179 aa)

Interleukin 11 (IL-11) is a member of the gp130 family of cytokines. IL-11 functions to promote hematopoietic stem cell proliferation and megakaryocyte differentiation. In non-hematopoietic cell populations, IL-11 stimulates acute-phase proteins, modulates the development of immunoglobulin-producing B cells, and regulates bone turnover. IL-11 binds the IL-11Ralpha receptor to activate JAK downstream signaling. Human IL-11 shows activity on murine cells.

Product Info

Amount: $10 \mu g / 100 \mu g$

Purification: Reducing and Non-Reducing SDS PAGE at >= 95%

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic

Content: Acid (TFA)

Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

Amino Acid: MPGPPPGPPR VSPDPRAELD STVLLTRSLL ADTRQLAAQL RDKFPADGDH NLDSLPTLAM SAGALGALQL

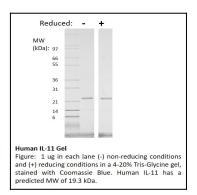
PGVLTRLRAD LLSYLRHVOW LRRAGGSSLK TLEPELGTLQ ARLDRLLRRL OLLMSRLALP OPPPDPPAPP

LAPPSSAWGG IRAAHAILGG LHLTLDWAVR GLLLLKTRL

Application Note

Endotoxin: Less than 0.1 ng/ $\tilde{A} \square \hat{A} \mu g$ (1 IEU/ $\tilde{A} \square \hat{A} \mu g$) as determined by LAL test.

Biological Activity was determined by T11 cell proliferation $OR\tilde{A} \cap \hat{A}$ TF-1 cell proliferation at <=2.5 ng/mL; >= 4.0 x 10^5 units/mg $OR\tilde{A} \cap \hat{A} <= \tilde{A} \cap \hat{A}$ 10 ng/mL; >= 1.0 x 10^5 units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 $\tilde{A} \cap \hat{A}$ and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.





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