

IL-11 Protein, Mouse, Recombinant (hFc)

General Information

Synonyms:	IL-11;Il11;Interleukin-11
Protein Construction:	Pro22-Leu199
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	P47873
Molecular Weight:	50-60 KDa (reducing condition)
AA Sequence:	Pro22-Leu199

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 10 mM HAc-NaAc, 150 mM NaCl, 0.004% Tween 80, 5% Mannitol, pH 4.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Interleukin-11(IL-11) is a secreted protein and belongs to the IL-6 superfamily. 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 and could be used as a therapeutic for osteoporosis. IL-11 stimulates the growth of certain lymphocytes and, in the murine model, stimulates an increase in the cortical thickness and strength of long bones. In addition to having

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lymphopoietic/hematopoietic and osteotropic properties, it has functions in many other tissues, including the brain, gut, testis and bone.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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