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Recombinant Mouse Interleukin-11/IL-11 Protein (Fc Tag)

Catalog Number: PKSM041323

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Species Mouse

Source HEK293 Cells-derived Mouse Interleukin-11/IL-11 protein Pro22-Leu199, with an C-

terminal Fc

Calculated MW 46.3 kDa
Observed MW 50-60 kDa
Accession P47873

Bio-activity Not validated for activity

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

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

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80

°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

ShippingThis product is provided as lyophilized powder which is shipped with ice packs. **Formulation**Lyophilized from a 0.2 μm filtered solution of 10mM HAc-NaAc, 150mM NaCl,

0.004% Tween 80, 5% Mannitol, pH 4.0.

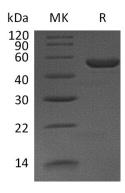
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



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, induceacute phase proteins, modulate antigenantibody responses, participate in the regulation of bone cellproliferation and differentiation and could be use 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 lymphopoietic/hematopoietic and osteotrophic properties, it has functions in many other tissues, including the brain, gut, testis and bone.

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