

RP00474

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Recombinant Human IL-11 Protein

Catalog No.: RP00474 **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 3589 | P20809 |

Tags
No tag

Synonyms
IL11;AGIF;IL-11

Product Information

| Source | Purification |
|--------|--------------------|
| Yeast | > 95% by SDS-PAGE. |

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM PB, 2% Glycine, pH 7.2. Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Interleukin 11 (IL-11) is a member of a family of human growth factors that includes human growth hormone, granulocyte colony-stimulating factor, and other growth factors. IL-11 is a thrombopoietic growth factor that directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production. It also promotes the proliferation of hepatocytes in response to liver damage. Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2, it activates a signaling cascade that promotes cell proliferation. The signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3.

Basic Information

Description
Recombinant Human IL-11 Protein is produced by P. Pichia expression system. The target protein is expressed with sequence (Gly23-Leu199) of human IL-11 (Accession #P20809).

Bio-Activity

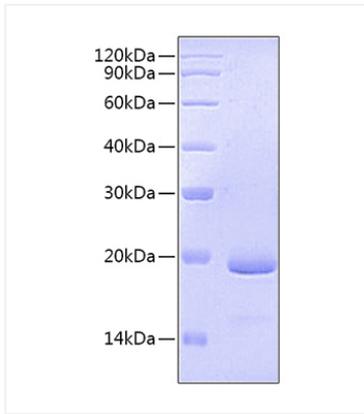
Storage
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human IL-11 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.