

Datasheet for ABIN7319568 IL-11 Protein



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Overview

Quantity:	50 µg
Target:	IL-11 (IL11)
Origin:	Human
Source:	Yeast (<i>Pichia pastoris</i>)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Interleukin-11/IL-11 Protein
Sequence:	Gly23-Leu199
Characteristics:	Recombinant Human Interleukin-11 is produced by our Yeast expression system and the target gene encoding Gly23-Leu199 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL-11 (IL11)
Alternative Name:	Interleukin-11/IL-11 (IL11 Products)
Background:	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

Target Details

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.

Synonym: Interleukin-11, IL-11, Adipogenesis Inhibitory Factor, AGIF, Oprelvekin, IL11

Molecular Weight: 19 kDa

UniProt: [P20809](#)

Pathways: [JAK-STAT Signaling](#), [Negative Regulation of Hormone Secretion](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 2 % Glycine, pH 7.2.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.