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Datasheet for ABIN7013692

IL-11 Protein (AA 22-199) (His tag)

2 Images



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Overview

Quantity:	100 μg
Target:	IL-11 (IL11)
Protein Characteristics:	AA 22-199
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-11 protein is labelled with His tag.

Product Details

Purpose:	Human IL-11 Protein, His Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL-11 (IL11)	
Alternative Name:	IL-11 (IL11 Products)	
Background:	Interleukin-11 (IL-11) is a pleiotropic cytokine that stimulates megakaryocytopoiesis, resulting in	
	increased production of platelets, as well as activating osteoclasts, inhibiting epithelial cell	
	proliferation and apoptosis, and inhibiting macrophage mediator production. These functions	
	may be particularly important in mediating the hematopoietic, osseous and mucosal protective	

effects of IL-11. The cytokine also possesses anti-inflammatory activity, and has been proposed as a therapeutic agent in the treatment of chronic inflammatory diseases, such as Crohn's disease and rheumatoid arthritis. Although IL-11 was initially believed to be restricted to mammals, subsequent studies demonstrated it to be expressed in fish. Despite close similarity in gene structure and conservation of key amino acids between fish and mammalian IL-11, they share relatively low overall amino acid identity and may not necessarily be functionally analogous.

Molecular Weight:	21.0 kDa
NCBI Accession:	NP_000632
Pathways:	JAK-STAT Signaling, Negative Regulation of Hormone Secretion

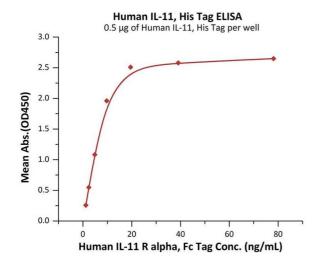
Application Details

Restrictions: For Research Use only

Handling

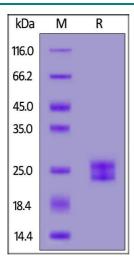
Format:	Lyophilized	
Buffer:	PBS, pH 7.4	
Storage:	-20 °C	

Images



ELISA

Image 1. Immobilized Human IL-11, His Tag (ABIN6992342) at $5 \, \mu g/mL$ (100 $\mu L/well$) can bind Human IL-11 R alpha, Fc Tag (ABIN6992343) with a linear range of 1-10 ng/mL (Routinely tested).



SDS-PAGE