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Datasheet for ABIN2181309
IL29 Protein (AA 20-200) (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	IL29
Protein Characteristics:	AA 20-200
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL29 protein is labelled with His tag.

Product Details

Sequence:	AA 20-200
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 21.1 kDa. The protein migrates as 30-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL29
Alternative Name:	IL-29 (IL29 Products)

Target Details

Background: Interleukin-29, is a secreted protein which belongs to the IL-28 / IL-29 family, and is a type III interferon. It is also known as cytokine Zcyto21, Interferon lambda-1, IFN-lambda-1, IFN λ 1, IL-29 and IFNL1, and is highly similar in amino acid sequence to the IL-28, the other type III interferon. IL28A, IL28B, and IL29, also named interferon λ 2 (IFN λ 2), IFN λ 3, and IFN λ 1, respectively, are classII cytokine receptor ligands that are distantly related to members of the IL 10 family (11-13 % aa sequence identity) and the type I IFN family (15-19 % aa sequence identity). Human IL29 cDNA encodes a 200 amino acid (aa) residue precursor protein with a putative 19 aa signal peptide and a 181 aa mature protein, which is a monomer in solution. It shares 67 % and 69 % aa sequence identity with human IL28A and IL28B, respectively. IL-29 plays an important role in host defenses against microbes and its gene is highly upregulated in cells infected with viruses and also may play a role in antiviral immunity. Interleukin-29 / IL-29 up-regulates MHC class I antigen expression. It is a Ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. The ligand/receptor complex seems to signal through the Jak-STAT pathway.

Molecular Weight: 21.1 kDa

NCBI Accession: [NP_742152](#)

Application Details

Restrictions: For Research Use only

Handling

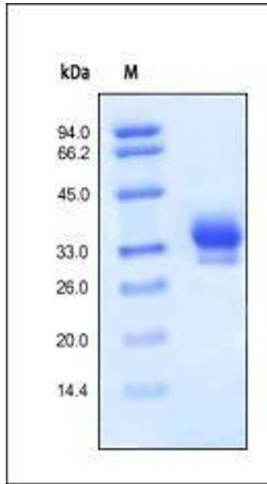
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



SDS-PAGE

Image 1.