

Datasheet for ABIN4369341 IL29 Protein (His tag)



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Overview

Quantity:	0.02 mg
Target:	IL29
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL29 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Characteristics:	Measured in an antiviral assay using HepG2 human hepatocellular carcinoma cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is typically 15 ng/mL.
Purity:	>95 % as determined by SDS-PAGE.

Target Details

Target:	IL29
Alternative Name:	Interleukin 29 (IL29 Products)
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, IFNλ1, 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 interferonλ2 (IFNλ2), IFNλ3, and IFNλ1,

Target Details

respectively, are class II 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

Gene ID: 282618

NCBI Accession: [NP_742152](#)

UniProt: [Q8IU54](#)

Application Details

Application Notes: This recombinant protein can be used for WB. For research use only.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -80 °C, -20 °C

Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. Avoid repeated freeze-thaw cycles.